



आरत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 42] नई विल्ली, शनिवार, अक्टूबर 17, 1981 (आश्विन 25, 1903)

No. 42] NEW DELHI, SATURDAY, OCTOBER 17, 1981 (ASVINA 25, 1903)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs].

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 17th October 1981

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 214, ACHARYA JAGADISH BOSE ROAD,

CALCUTTA-700 017

The dates shown in crescent brackets are the dates
claimed under Section 135 of the Act.

8th September, 1981

1007/Cal/81. Westinghouse Electric Corporation. Protective
coating means for articles such as gold-plated
jewellery and wristwatch components, and
method of forming such coating means.

1008/Cal/81. Servo Corporation of America. Railroad car
wheel detector.

1009/Cal/81. Metal Box Limited. Containers. (September
8, 1980).

9th September, 1981

1010/Cal/81. Lucas Industries Limited. Engine systems.
(September 12, 1980).

1011/Cal/81. Neumann Equipment Marketing Co, Pty,
Ltd. Improvements in dredges. (September 9,
1980).

1012/Cal/81. Crerand Mckinnon. Load-carrying trolleys.
(September 12, 1980) (December 9, 1980 (April
1, 1981)).

1013/Cal/81. Combustion Engineering, Inc. Economizer ash
hopper.

1014/Cal/81. Ceske Vysoke Ucení Technicke V Praze. A
process for separation of isotopes by the method
of controlled distribution using especially con-
centration isotopic effect.

1015/Cal/81. Cardiffair Pty. Limited. A directional outlet
assembly.

1016/Cal/81. Mercier Freres. Slitting machine for leather
and hides, unwoven textile products, rubbers,
plastic materials in sheets and rolls.

10th September, 1981

1017/Cal/81. Siemens Aktiengesellschaft. Signalling in PBX
systems.

1018/Cal/81. Degussa Aktiengesellschaft. A process for the
production of 2-amino-2-carbethoxyamino-6-(P-
fluoro-benzyl-amino) pyridine-malate and medi-
cinal composition including same.

1019/Cal/81. S. Barthakur. Drawing instrument with refer-
ence line-slits.

1020/Cal/81. Lucas Industries Limited. Cycle. (September,
11, 1980).

1021/Cal/81. Malcolm Henry Blackborow and M. Langley.
Carrier for a windscreen wiper. (September 12,
1980) (October 6, 1980) (January 19, 1981).

1022/Cal/81. Metal Box Limited. Handles for containers.
(September 13, 1980).

1023/Cal/81. Sagami Chemical Research Center. Process for preparation of alpha-aromatic group substituted alkanoic acid or esters thereof.

14th September, 1981

1024/Cal/81. Schiesser A.G. Method and apparatus for the application of a layer of an elastomeric material to a base body of an elastomeric material of a different quality.

1025/Cal/81. Akzo NV. Moulding composition or spinning dope and process for preparing the same.

1026/Cal/81. J. F. Melchior. Highly supercharged internal combustion engines with an air cooling system and to cooling systems for such engines.

1027/Cal/81. Dr. Y. T. Huang. Modular space framed structures and modular inflatable dome structures.

15th September, 1981

1028/Cal/81. Formica Corporation. Pallet for pliable sheet materials.

1029/Cal/81. Siemens Aktiengesellschaft. PBX telephone systems.

1030/Cal/81. Dextec Metallurgical Pty. Ltd. Recovery of silver and gold from ores and concentrates. (September 29, 1980).

1031/Cal/81. F. Hoffmann-La Roche & Co. Aktiengesellschaft. Cephalosporin derivatives.

16th September, 1981

1032/Cal/81. Setafin S.A. Method and loom for the production of a fabric, more particularly a sacking fabric.

1033/Cal/81. Shell Internationale Research Maatschappij B.V. Apparatus for treating mixtures of liquid and gas. (September 18, 1980).

1034/Cal/81. Dnepropetrovsky Khimiko-Tekhnologichesky Institut Imeni F.E. Dzerzhinskogo. Electrochemical cell containing sulphur dioxide as cathode depolarizer.

APPLICATIONS FOR PATENT FILED AT PATENT OFFICE BRANCH. MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH,

NEW DELHI-5

11th August, 1981

506/Del/81. Council of Scientific & Industrial Research. "An improved process for soldering of ferrous and copper metal components and work pieces".

507/Del/81. Michael Korenberg. "Improvements relating to Hot-Box Signalling Device."

508/Del/81. USM Corporation. "Method of processing viscous liquid plastic and polymeric materials." [Divisional date October 19, 1978].

12th August, 1981

509/Del/81. Council of Scientific & Industrial Research. "A device for the protection circuit D. C. Supply Circuits from overload or short Circuits."

13th August, 1981

510/Del/81. Jaikishan Goel. "Stud Clip Folder."

511/Del/81. Council of Scientific & Industrial Research. "A combination protection device for over-current and earth-leakages of electrical wiring systems of civil structures and electrical equipments."

512/Del/81. S. N. Bhaduri. "Radio-Light Beacon (Ralibacon) System to prevent multiple Rail Train accidents."

14th August, 1981

513/Del/81. Ashok Kumar Trehan. "A Water distribution means."

514/Del/81. Ashok Kumar Trehan. "A Water distribution means."

515/Del/81. The Director, All India Institute of Medical Sciences. "A Grading means."

516/Del/81. The Director, All India Institute of Medical Sciences. "A Device for testing Dermographism."

517/Del/81. The Director, All India Institute of Medical Sciences. "An Antigen Applicator."

518/Del/81. Council of Scientific & Industrial Research. "Apparatus and method for the simultaneous production of hydrogen and carbon monoxide separately or as a gaseous mixture."

17th August, 1981

519/Del/81. IMI Kynoch Limited. "Heat Treatment." (September 10, 1980).

520/Del/81. Societe Chimique Des Charbonnages S.A. "Heterogeneous Copolymers of Ethylene for Films."

521/Del/81. Imperial Chemical Industries PLC. "Production of Copolymers." (September 17, 1980).

522/Del/81. Westinghouse Brake and Signal Company Limited. "Swinging Plug Door." (September 4, 1980).

18th August, 1981

523/Del/81. Fluidised Combustion Contractors Limited. "Improvements relating to Power Generation Plant." (August 18, 1980 & October 31, 1980).

524/Del/81. Muthoot George. "Solar Heating Device."

19th August, 1981

525/Del/81. Stock Equipment Company. "Weight Sensor Calibration for Gravimetric Coal Feeder."

526/Del/81. Stock Equipment Company. "Conveyor Calibration Technique."

527/Del/81. Stock Equipment Company. "Reversing Ratchet Door Closer."

528/Del/81. Stock Equipment Company. "Product-to-Frequency Converter."

529/Del/81. Stock Equipment Company. "Optical Edge Detector."

530/Del/81. Exxon Research and Engineering Company. "Branched Alkyl Ether Amines as Iron Ore Flootation Aids."

531/Del/81. Union Carbide Corporation. "Electrochemical Cell having a Safety Vent Closure."

20th August, 1981

532/Del/81. Additie International. "Static Clarifier."

21st August, 1981

533/Del/81. Ashok Kumar and Vijay Kumar. "Improvements in and Relating to making of RCC Walls with Continuous Reinforcement."

534/Del/81. Dennison manufacturing Company. "Electrostatic Printing and Copying."

535/Del/81. Pfizer INC. "Synthetic Method and Intermediate for Piroxicam."

536/Del/81. Dresser Industries, INC. "Radial Truck Brake."

22nd August, 1981

537/Del/81. Council of Scientific & Industrial Research. "A process for the synthesis of 2-Aryl-s-triazino (2, 1': 6, 1) pyrido (3, 4-b) indoles-4-thiones." [Divisional date May 8, 1980].

538/Del/81. Council of Scientific & Industrial Research. "A process for the manufacture of improved medicinal pallets for use as subdermal implants for controlled release of a drug for an extended period of time in a human or animal system."

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH TUDI ESTATES, 3RD FLOOR, LOWER PAREL (WEST), BOMBAY-400013

14th August 1981

234/Bom/81. The Bombay Oil Industries Private Limited. A novel heterogenous laminated material for the use of packing edible products and a process for manufacture the same.

235/Bom/81. Nattoji Shara Shankernarayan Rao. Gym application.

17th August 1981

236/Bom/81. Hemant Madhukar Ranadive. Self powered hand cart.

237/Bom/81. Ambalal Girdhardas Adathakkar. A lined collapsable carton.

238/Bom/81. Padmannan Jambu Chaugule. Composite Tee and/or Ell beams for and roos and/or upper floors buildings.

239/Bom/81. ION Exchange (India) Ltd. Process for preparing anion exchange resins.

240/Bom/81. Ahmedabad Textile Industry's Research Association. Weft replenishing mechanism for travelling wave shedding looms.

19th August 1981

241/Bom/81. Jnana Prabodhini. Improved capacitor.

242/Bom/81. Sallendra Baliga. Gravity lifter/holder.

243/Bom/81. Satish Manohar Pradhan. Torch cum bucket, torch cum vessel or torch cum tin.

20th August 1981

244/Bom/81. Shriram Sadashiv Gomashe. "Thrector" Two in one Thresher machine.

245/Bom/81. Deccan Sugar Institute. Improvements in or relating to a process and equipment for disposal of concentrated alcohol distillery spent-wash.

24th August 1981

246/Bom/81. Shodhak Dattaraya Karmalkar. Cycle-Engine.

247/Bom/81. Smt. Manjula Agrawal and another. Improved answer copies showing code numbers with hidden roll numbers.

27th August 1981

248/Bom/81. Madhav Ramchandra Bakre. An improved electrical switching arrangement which may be operated, manually, pneumatically, hydraulically or electromagnetically in either alternating or direct current circuits.

249/Bom/81. Hindustan Lever Limited. A process of making soap.

1st September, 1981

250/Bom/81. Hindustan Lever Limited. An alternative process for the preparation of plant growth nutrients. [Divisional date April 27, 1979].

251/Bom/81. P. J. Chaugule. R.C.C. precast composite structural units.

252/Bom/81. P. J. Chaugule. Form work for post jointing of the precast r.c.c. beam and/or web units for the roofs and upper floors and buildings.

3rd September, 1981

253/Bom/81. Rathi Rubber Products. Self locking fastening device.

254/Bom/81. Ulhas Yeshawant Bapat. An improved santoor capable of producing meend.

255/Bom/81. Macneill & Magor Ltd. An equipment for processing tea.

APPLICATIONS FOR PATENTS AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600002

25th August, 1981

148/Mas/81. India Pistons Limited. A Novel Process for Manufacturing Compression Rings and Compression Rings prepared thereby.

26th August, 1981

149/Mas/81. M. S. H. M. Jeelani. A device for embroidering on sewing machine.

27th August, 1981

150/Mas/81. N. T. Bharadwaj. A Device for removing Ferrous Particles from Substances Mixed There-with.

31st August, 1981

151/Mas/81. Systems Manufacturing Private Ltd. A Container Conveying System

152/Mas/81. N. Bhagavattheeswaran. A Device for Switching Street Lights on and off from a Single Control Point.

153/Mas/81. G. V. Ramaswamy. A Process for the Manufacture of Acid Oil from Soapstock and washes and an Apparatus for carrying out the said process.

154/Mas/81. G. V. Ramaswamy. A Process For Treating Crude Cotton Seed Oil For Eliminating Gossypol therefrom.

155/Mas/81. G. V. Ramaswamy. A Process For Bleaching Cotton Seed Oil Soap Stock.

156/Mas/81. E. G. Rao. Improvements relating to drafting aids and instruments.

4th September, 1981

157/Mas/81. N. Ponnur Durai. The Safety Bumper System.

5th September, 1981

158/Mas/81. Dr. J. Thaikattil. Improved Holder for Electric Lamps.

159/Mas/81. Dr. J. Thaikattil. Comb.

160/Mas/81. Dr. J. Thaikattil. Ball Point Pen.

161/Mas/81. Dr. J. Thaikattil. Improved Electric Stoves.

162/Mas/81. Dr. J. Thaikattil. Electric Stove.

163/Mas/81. Dr. J. Thaikattil. Infant Feeder.

164/Mas/81. Dr. J. Thaikattil. An Improved Electric Plug.

7th September, 1981

165/Mas/81. P. P. Kesavan. Rejuvenating the fused bulb by the "Automatic Substitution of Fused Filament".

9th September, 1981

166/Mas/81. Mrs. R. S. Bai. Impact Energy Generator.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 24A & E

149241

Int. Cl.-B 60 t 11/08.

A PEDAL MECHANISM FOR A HYDRAULIC BRAKE SYSTEM.

Applicant : BRAKES INDIA LTD., PADI, MADRAS-600 050, TAMIL NADU.

Inventors : (1) VADREVU TIRUPATI VENKATA SRI RAMACHANDRA RAO & (2) MUTHUSAMY THANDAPANI.

Application No. 143/Mas/79 filed August 2, 1979.

Complete specification left April 5, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A pedal mechanism for a hydraulic braking system, comprising a pedal lever pivotable about a fixed axis and including a first arm to which a braking effort is applied in use of the mechanism and a second arm, a bell crank lever pivotable about a fixed axis and having a first arm for actuating a master cylinder of the braking system and a second arm and an interconnecting member pivoted to the second arms of the pedal and bell crank levers whereby, in use, applying a braking effort to the first arm of the pedal lever causes actuation of the master cylinder, and the pedal ratio of the mechanism increases thereby under the action of the applied effort.

Prov. 4 pages

Comp. Specn. 9 pages

Drwgs. 6 sheets, one sheet of size 33.00 cms. \times 41.00 cms

CLASS 42F 149242

Int. Cl.-B 60 t 13/44.

A SERVO BOOSTER ASSEMBLY FOR VEHICLE BRAKING SYSTEM.

Applicant : LUCAS INDUSTRIES LTD., OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventors : (1) GLYN PHILLIP REGINALD FARR, (2) HUGH GRENVILLE MARGETTS.

Application No. 162/Mas/79 filed August 31, 1979.

Convention date 1-9-1978 (No. 35279/78 United Kingdom).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

21 Claims

A servo booster assembly for a vehicle braking system comprising a booster housing having front and rear housing walls, a pedal operated input member axially aligned with an output member, a movable wall dividing the interior of the housing into two chambers and adapted to apply a force to the output member when the chambers are subjected to a pressure differential in response to a force applied to the input member, a force transmitting means extending between the front and rear housing walls for transmitting in use braking reaction forces which would otherwise be transmitted through the housing, the force transmitting means comprising a tube which is co-axial with the input and output members and extends through the movable wall.

Complete Specn. 25 pages

Drwgs. 6 sheets

CLASS 24B 149243

Int. Cl.-F 16 d 65/12.

A DISC BRAKE ASSEMBLY.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventors : (1) ANDREW PETER STOTT, (2) ALBERT TODD.

Application No. 193/Mas/79 filed October 29, 1979.

Convention date 6-11-1978 (No. 43294/78 United Kingdom).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims

A disc brake assembly comprising a carrier member in which at least one brake pad is mounted for sliding move-

ment towards and away from a brake disc, the or each such brake pad having a plate portion which extends at each of two opposite sides of the pad to a position adjacent the carrier member, wherein a spring is secured to the plate portion at each of said two opposite sides thereof, and the springs of the or each brake pad extend into frictional engagement with the carrier member, the arrangement being such that upon movement of the or each pad towards the disc the respective springs are stressed and upon release of the brake applying effort the springs will relax by moving the brake pads away from the disc.

Complete Specn. 12 pages

Drwgs. 2 sheets

CLASS 86E

149244

Int. Cl. A 47 h 1/06 & 5/032.

AN IMPROVED CURTAIN TRACK FOR DOORS, WINDOWS, AND LIKE OPENINGS.

Applicant & Inventor : LAZAR PAIVA, OF AZHIKA-KATH HOUSE, OPPOSITE THOPPUMPADI MARKET, COCHIN-682005, KERALA.

Application No. 1/Mas/80 filed January 1, 1980.

Complete specification left September 23, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

An improved curtain track for doors, windows and like openings comprising a slide track having along its length a channel with a 'C' or like shaped cross-section, said slide track being provided at its ends with two brackets each of which housing a roller means; and two clamp elements slidably disposed within said slide track, said clamp elements capable of being actuated by a string articulated through said roller means.

Prov. 5 pages

Complete Specn. 7 pages

Drwgs. 1 sheet, one sheet of size 33.00 cms. \times 41.00 cms.

CLASS 105 B; 199

149245

Int. Cl.-G 01 f 23/00.

A TANK LEVEL MONITOR FOR LIQUID OR BULK MATERIALS IN TANKS.

Applicants : DR. JAMSHED ARDESHIR MODI, P.O. BOX NO. 4087, BOMBAY-400 007, MAHARASHTRA, INDIA.

Application No. 32/Bom/1977 filed January 20, 1977.

Comp. after pror. left on Jan 20; 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

18 Claims

A tank level monitor for liquid in tanks or bulk materials such as food grains in silos comprising a circuit combination of :

(i) a probe formed from a cylindrical pipe section carrying a series of contact switches mounted vertically in a line in spaced relationship with each other and each of said switches connected through respective resistances to a remote located monitor through a wiring harness; and

(ii) a monitor comprising an electrical measuring instrument carrying an alarm for indicating various tank level positions and a converter for converting 220/240 Volt A.C. input to 24 Volt DC output and said probe clads being connected to said 24-Volt DC output while the monitor is connected to 220/240 Volt AC input; and

in that when said probe is suspended vertically in a liquid in tanks or bulk materials in silos and the AC input is switched 'ON' the changing levels of stored materials in the tank or silo actuate respective switches on the probe which 'cut-in' external resistance into the circuit and the resultant current change is indicated on the measuring instrument of the monitor thereby showing 'percent' full tank level.

CLASS 113E 149246

Int. Cl.-F21m 1/00.

A SEARCHLIGHT-CUM-FLOODLIGHT FOR WATCH TOWER.

Applicant : BENI LIMITED, OF 1, CROOKED LANE, CALCUTTA-700069, STATE OF WEST BENGAL, INDIA.*Inventor* : BHUBENSHWAR SINGH.

Application No. 1357/Cal/77 September 1, 1977.

Complete Specification left December 1, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A searchlight-cum-floodlight for watch towers which is capable of having a rotational movement along a horizontal plane and a tilting movement along a vertical plane comprising a bracket for pivotally mounting the said searchlight, said bracket being mounted on a rotatable telescopic stand such that the height of the searchlight-cum-floodlight can be adjusted, said stand being provided and/or mounted on a base, a handle provided at one end of the said bracket for tilting the said searchlight and is provided with a brake on the opposite end for retaining or locking the said searchlight in any desired tilted position, and includes means for adjusting the focus of the said searchlight.

Prov. Specn. 4 pages.

Comp. Specn. 16 pages.

Drg. 2 sheets.

CLASS 69J & M 149247

Int. Cl.-H01b 3/00.

ELECTRICAL SWITCH.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, B19 2XF, ENGLAND.*Inventor* : DEREK THORNLEY.

Application No. 1447/Cal/77 filed September 26, 1977.

Convention date October 5, 1976/(41227/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An electrical switch including a first set of electrical contacts having open and closed operative states, a second set of electrical contacts having open and closed operative states an operating member associated with both of said first and second sets of contacts such that said first and second contacts can be moved from one of their operative states to the other operative state by a single movement of the operating member, first electromagnetic means whereby the first set of contacts can be returned from said other operative state to said one operative state by the application to said first electromagnetic means of an electrical signal, and, second electromagnetic means whereby said second set of contacts can be returned from said other operative state to said one operative state by the application to said second electromagnetic means of said electrical signal, the arrangement being such that said first set of electrical contacts is returned by said electrical signal from said other operative state to said one operative state in advance of the return of said second set of contacts from said other operative state to said one operative state.

Comp. Specn. 23 pages.

Drg. 4 sheets.

CLASS 40F 149248

Int. Cl.-H01h 1/02.

METHOD FOR PREPARING A SINTER CONTACT MATERIAL.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.*Inventor* : PROF. DR. HORST SCHREINER.

Application No. 1742/Cal/77 filed December 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings

Method for preparing a sintered contact material of silver and at least two incorporated metal oxides other than that of silver by means of pressing and sintering a silver-metal-oxide compound powder, characterized thus, that the compound powder is thoroughly intermixed prior to pressing with at least one further silver-metal-oxide compound powder, which is different in its metal-oxide component from the first compound powder.

Comp. Specn. 8 pages.

Drwgs. Nil.

CLASS 40F & I 149249

Int. Cl.-G01n 25/24.

AN IMPROVED APPARATUS SIMULTANEOUS DETERMINATION OF CARBON, HYDROGEN AND HALOGEN OR SULPHUR IN ORGANIC MATTER, COKE AND COAL, STEEL AND LIKE MATERIALS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.*Inventors* : RAMNATH BHASKAR MALVANKAR, SUDHAKAR SHIVRAM RAMDASI AND VASANT SADASHIV PANSARE.

Application No. 165/Del/78 filed March 2, 1978.

Complete Specification left May 17, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims

An improved apparatus for the simultaneous determination of carbon, hydrogen, halogens or sulphur in organic matter, coke, coal, steel and like materials, comprising a combustion tube in combination with a combustion furnace, capsule or a boat with silver contained therein and a furnace for heating same and a sample capsule or boat, the said combustion tube being in two parts joined by a ground joint for easy introduction and withdrawal of the capsules or boats wherein the improvement comprises in providing the combustion tube in one piece with ground glass cap with an outlet at its one end only.

Comp. Specn. 7 pages.
CLASS 85B

Drwg. 1 sheet.

149250

Int. Cl.-F27b 17/00.

FURNACE WALLS WHICH CAN BE USED AT HIGH TEMPERATURES.

Applicant : HOUILLERES DU BASSIN DU NORD ET DU PAS DE CALAIS, OF 20 RUE DE MINIMES, 59-LOUVAL, FRANCE.*Inventors* : ALBAN DONDEYINE, MAURICE MARCIASSON, PAUL RAVEZ AND LOUIS SOUBRIER.

Application No. 229/Del/78 filed March 29, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims

A furnace wall which allows working at temperatures above 900°C and possesses recesses through which pass tubes for the introduction of fluids which require to be distributed in the furnace, characterised in that it comprises : a mineral refractory material chosen from amongst ceramic materials and electro-fused materials, the said refractory material forming the load-bearing part of the wall; a shield of a refractory metallic alloy which lines the surface of the wall with refractory material; supports joined to the said refractory metallic shield, or consisting of a shaped portion of the refractory material; and plates of a disposable material resistant to heat and to abrasion and anchorable to the said supports; devices for the introduction and distribution of fluids being passed through recesses between the disposable plates, the said devices consisting of an internal tube and an external tube connected so that the stresses generated on the external tube are not transmitted to the internal tube.

Comp. Specn. 14 pages.

Drwg. 3 sheets.

CLASS 40F & 166B 149251.
Int. Cl.-B63b 3/00, B22c 1/00, C09k 3/00.

PROCESS FOR THE MANUFACTURE OF NON-METALLIC BACKING STRIP FOR USE IN METAL WELDING.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors : SATI PRASAD DASGUPTA, SISIR KUMAR BHATTACHARYA, BAIDYA NATH MISRA AND SUNIL KUMAR KARMAKAR.

Application No. 299/Del/78 filed April 25, 1978.

Complete Specification left May 17, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims

A process for the manufacture of a non-metallic backing strip for use in metal welding which comprises mixing quartz and with 3-8 percent phenolic resin and a catalyst-known per se therefore, moistening the same with water, pressing the mixture in dies in the form of a strip of desired size baking the same in an oven at 150°-160°C and wrapping it in a protective cover.

Prov. Specn. 2 pages.

Comp. Specn. 8 pages.

Drawing 1 sheet.

CLASS 201C 149252
Int. Cl.-B01j. 1/04.

ION EXCHANGE PROCESS FOR DESALINATION.

Applicants : ROHM AND HAAS COMPANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF INDEPENDENCE MALL WEST, PHILADELPHIA, U.S.A.

Inventors : HIROSHI SHIMIZU.

Application No. 621/Del/78 filed August 22, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

12 Claims

An ion exchange process for desalination of an aqueous solution of at least one salt of a strong acid comprising the steps of : (a) contacting said aqueous feed solution containing a salt of a strong acid with a thermally regenerable ion exchange resin having weakly acidic free acid groups and weakly basic free base groups whereby said resin is loaded with said salt by ion exchange and said feed solution is desalinated, (b) removing desalinated solution, and (c) thermally regenerating said resin and eluting from the resin the salt loaded thereon, characterized by converting, by contact with carbon dioxide or a carbonic acid solution, said weakly basic free base groups to a carbonate form weakly basic free base groups to a carbonate form weakly basic groups prior to or simultaneous with contact between said feed solution and said resin.

Complete Specification 34 pages. Drwgs 2 sheets.
CLASS 98D 149253
Int. Cl.-F28c 3/04.

A ROTARY REGENERATIVE HEAT EXCHANGE APPARATUS.

Applicant : THE AIR PREHEATER COMPANY, INC., OF ANDOVER ROAD, WELLSVILLE, NEW YORK, UNITED STATES OF AMERICA.

Inventor : RICHARD FRANKLIN STOCKMAN.

Application No. 938/Cal/78 filed August 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Rotary regenerative heat exchange apparatus included a cylindrical rotor housing having walls at opposite ends thereof that include spaced apertures for a heating fluid and for

a fluid to be heated, a rotor of heat absorbent material disposed about a vertical rotor post within said housing adapted to receive the heating fluid and the fluid to be heated, a support bearing for the rotor mounted on fixed support structure subjacent said rotor, shim means intermediate the support bearing and the support structure therefore adapted to transmit the load of the rotor to said support structure, a first lifting means intermediate the support bearing and its support structure adapted to move the bearing axially relative to said shim means, and a second lifting means for raising the rotor relative to said rotor housing to remove the load of the rotor from said support bearing whereby said first and second lifting means may be alternately actuated to vary the distance between the rotor and said support structure to permit removal of said shim means therebetween.

Comp. Specn. 7 pages.

Drwg. 1 sheet.

CLASS 63 F

149254

Int. Cl.-H 02 k 17/00.

A FLAT ELECTRIC MOTOR.

Applicants : TATA ENGINEERING AND LOCOMOTIVE COMPANY LIMITED, OF BOMBAY HOUSE, 24 HOMI MODI STREET, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventor : SHARADCHANDRA LAKSHMANRAO PAVNASKAR, OF 10, AKSHAYA SOCIETY, SHAHU COLLEGE ROAD, PARVATI, POONA-411 009, MAHARASHTRA, INDIA.

Application No. 293/Bom/1978 filed October 4, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A flat electric motor comprising a flat stator adapted to be mounted on a surface and having an axial opening and two holes on one side; a shaft being rotatably mounted in the stator through its axial opening; a pair of brush holders each being provided through each of the said holes on the stator; at least one pair of magnetic field generators provided in the stator; a flat rotor made of light weight, non-magnetic and non-conducting material and having a plurality of radial conductors bonded on either side thereof and optionally covered by a layer of resin such as epoxy adhesive or cyanacrylic adhesive and connectable to each other, and an axial opening wherethrough the rotor is fixedly mounted on the shaft; one pair of brushes each being mounted in each of the said brush holders and bearing against the rotor; and a pair of rings of magnetic material each ring being provided in the stator around each said magnetic field generator.

Complete Specn. 7 pages.

Drwgs. 2 sheets.

CLASS 172-B

149255

Int. Cl.-D01h 1/00.

IMPROVED METHOD AND APPARATUS FOR THE SPINNING OF YARN.

Applicants : ALAN NICHOLAS JACOBSEN, OF 14 RAHEEN DRIVE, KEW, IN THE STATE OF VICTORIA, AUSTRALIA, AN AUSTRALIAN CITIZEN.

Inventor : ALAN NICHOLAS JACOBSEN.

Application No. 769/Del/78 filed October 18, 1978.

Convention date 21-10-1977 (P.D. 2148) Australia.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

10 Claims

A method of spinning yarn comprising collecting fibres in an internal annular recess in a member rotating about the axis of the member, peeling a continuous assembly of fibres from said recess, and delivering the assembly of fibres in a continuous stream to a surface of revolution, coaxial with the annular recess and by drawing the assembly of fibres across said surface from one axial end to an opposite axial end while simultaneously effecting movement between the assembly of fibres and said surface to cause the assembly of fibres to roll upon the surface whereby the fibres of the assembly are twisted together to form a yarn.

Complete Specn. 18 pages.

Draws. 2 sheets.

CLASS 106, 107-G 149256

Int. Cl.-F02m 61/14.

APPARATUS FOR INJECTING OIL UNDER PRESSURE.

Applicants : AKTIEBOLAGET SKF, A SWEDISH COMPANY, OF 415 50 GOTEBORG, SWEDEN.

Inventors : STURE OSTLING AND STIG PERSSON.

Application No. 777/Dcl/78 filed October 24, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims

An apparatus for injecting oil under pressure, comprising a member connected to a pump housing of a pressure medium pump and a pressure pipe, the high pressure part of the pump being connected to the pressure pipe and the pump housing and the pressure pipe being connected to the member by means of axially bored and externally threaded dowels which are inserted in threaded bores in said member, characterised thereby, that said threaded bores are co-axial and arranged in such a manner that the dowels are opposed to each other and can be screwed towards each other whereby the angular position of the dowel connected to the pump housing and thereby also the angular position of the pump, can be freely chosen in relation to the connecting member, and the establishment of a leak-tight fluid connection can be brought about by tightening of the other dowel, which is rotatable in relation to the pressure pipe.

Complete Specn. 10 pages.

Drwgs 2 sheets.

CLASS 7

149257

Int. Cl. G 08 b 13/08.

TOUCH OPERATED BURGLAR ALARM.

Applicant & Inventor : SMT. DITTAKAVI SESAGIRI, C/O MR. D. S. SARMA, BROTHER SALA QUARTERS, WARANGAL-506003, A.P.

Application No. 218/Mas/78 filed November 24, 1978.

Complete specification left October 31, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A touch operated burglar alarm which is capable of functioning as a call bell comprising an integrated circuit connected to a power source, a terminal of said integrated circuit connected to a metallic contactor, a timer circuit connected to said integrated circuit, a relay connected to the output of said integrated circuit and an alarm connected to a power source upon the energization of said relay.

Prov. 2 pages.

Complete Specn. 5 pages.

Drwg. 1 sheet.

CLASS 80D & 201D

149258

Int. Cl.-B 01 d 25/06.

A DOMESTIC WET GRANULAR MEDIA FILTER.

Applicant & Inventor : TIRUPATTUR INDIRA BAI, NO. 15, CHIDAMBARASWAMY I STREET, MYLAPORE, MADRAS-600004, TAMIL NADU.

Application No. 221/Mas/78 filed November 30, 1978.

Complete Specification left February 27, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A domestic wet granular media filter consisting of a housing divided into an upper compartment and a lower compartment, the said lower compartment having means to drain out the filtered water and the said upper compartment provided with a lid at its top and having at its base a layer of permeable material, the said base having an inner annular tube with both ends open, the said inner annular

tube being enveloped by an outer tube closed at top and open at the other end where it is attached to the said permeable layer, the said upper compartment also having a first layer of sand above the permeable layer and a second layer of charcoal above it, the arrangement being such that when water is poured into the upper compartment it filters through the charcoal, sand and permeable layer to enter the outer tube and from there into the inner annular tube and therefrom to the lower compartment.

Prov. 1 page.

Complete Specn. 6 pages.

Drwg. 1 sheet.

CLASS 35C

149259

Int. Cl. C 04 b 13/24.

PROCESS OF PREPARATION OF IMPROVED CEMENT CONCRETE AND CEMENT CONCRETE PREPARED THEREBY.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T.P.O., MADRAS-600036, TAMIL NADU.

Inventor : NAGAVAR MADHAVA RAO RAGHAVENDRA.

Application No. 6/Mas/79 filed January 17, 1979.

Complete Specification left January 2, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims No Drawing

A process of preparation of an improved cement concrete comprising the steps of mixing cement, fine aggregate and coarse aggregate together, characterised by admixing therewith a solution of gelatine in water and casting the same, the concentration of the said solution being predetermined so as to obtain the desired compressive and tensile strengths of the resulting cement concrete.

Prov. 5 pages.

Complete Specn. 4 pages.

CLASS 206B & E

149260

Int. Cl.-G06f 3/00 H03k 19/00.

FULL DUPLEX DRIVER/RECEIVER.

Applicant : BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Inventor : RAYMOND CHEN-HO YUEN.

Application No. 102/Cal/79 filed January 31, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A duplex driver/receiver module having circuitry capable of sending signals of different voltage levels representing logical HIGHs and LOWs to an identical module and concurrently receiving signals of different voltage levels representing logical HIGHs and LOWs from said identical module via two conductor connecting said modules comprising :

means for receiving digital signals from another source, means including a driving node connected to said identical module by one of said conductors for sending signals corresponding to the digital signals received from said other source to said identical module, means including a receiver node connected to said identical module by another of said conductors for receiving signals from said identical module, output means, means including a comparator means for comparing the voltage levels of said signals sent from said driving node with the voltage level of said signals currently being received on said receiving node and for sending signals from said module via said output means corresponding to the signals representing logical HIGHs and LOWs received at said receiving node, and means coupled to said means for receiving signals from another source and coupled to said receiving node for modifying the signals received at said receiving node to enable the comparator means to distinguish between signals of different voltage levels currently being received at said node and those signals being sent from said driving node.

Complete Specn. 18 pages.

Drwg. 1 sheet.

CLASS 65A ₂	149261	CLASS 52A	149264
Int. Cl.-H 02 m 7/20.		Int. Cl.-B 26 b 27/00.	
A THYRISTOR CONVERTER. <i>Applicant</i> : ELECTRONICS CORPORATION OF INDIA LTD., CHERLAPALLI, HYDERABAD-500 762, ANDHRA PRADESH.		A DEVICE FOR CUTTING POLYSTYRENE AND LIKE SUBSTANCES. <i>Applicant</i> : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O., MADRAS-600036, TAMIL NADU.	
<i>Inventor</i> : KAVASSERI NARAYANASWAMY RAMA-NATHAN.		<i>Inventors</i> : (1) DR. ERODE GANAPATHIYER RAMA-CHANDRAN, (2) DR. HATHIBELAGAL MOHAMMED ROSHAN, (3) VADIVEL JAGASIVAMANI.	
Application No. 23/Mas/79 filed February 5, 1979.		Application No. 78/Mas/79 filed May 9, 1979.	
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.		Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.	
6 Claims		2 Claims	
A sequential control thyristor converter comprising a single bridge of four arms, each arm consisting of a single or plurality of silicon control rectifiers or diodes, such that the first and second arms constitute the upper arms and the third and the fourth arms constitute the lower arms rectifiers, one end of said fifth arm being connected to a fifth arm having a single or a plurality of silicon control tapping of the secondary winding of a transformer, the opposite end of said arm being connected to either the upper or the lower arms.		A device for cutting polystyrene and like substances comprising a frame supported on a base; a cutting wire of a material such as nichrome, one end thereof being fixed to the frame while the other end is spring-loaded; a source of electric power connected to the ends of the wire for heating it, the said substances being cut by bringing them against the wire in its heated condition.	
Complete Specn. 13 pages.	Drwgs. 1 sheet.	Complete Specn. 5 pages.	Drwgs. 1 sheet.
CLASS 70C	149262	CLASS 76D	149265
Int. Cl.-C 23 b 5/18.		Int. Cl. B 60 r 27/00.	
A PROCESS FOR COPPER PLATING OF METALS AND THEIR ALLOYS, SUCH AS, STAINLESS STEEL, TANTALUM AND TITANIUM.		A DEVICE FOR LOCKING A CRASH HELMET TO A VEHICLE.	
<i>Applicant & Inventor</i> : RAMACHANDRA SIVARAMAKRISHNAN, NO. 44, RENGANATHAN STREET, THYAGARAYANAGAR, MADRAS-600017, TAMIL NADU.		<i>Applicant & Inventor</i> : KONANUR NAGANNA GUNDURAJ, OF C/O CITY CLOTH HOUSE, NO. 8, BALE-PET, BANGALORE-560053, KARNATAKA.	
Applicant No. 28/Mas/79 filed February 13, 1979.		Application No. 99/Mas/79 filed June 7, 1979.	
Complete Specification left March 13, 1979.		Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.	
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.		3 Claims	
8 Claims. No drawing.		A device for locking a crash helmet to a vehicle comprising a lock shackle and a lock body with a conventional snap shut type locking mechanism characterised in that said lock body is secured within a housing so as to expose only its lock opening and the key hole and is firmly attached to said vehicle, while said lock shackle is mounted on or integrally formed with said crash helmet.	
A process for the copper plating of metals and their alloys, such as stainless steel, tantalum and titanium comprising the cleaning, roughening and etching of the job prior to electroplating thereof, characterised by activating the surface of the job by immersion in an activating bath containing copper sulphate, fluoride ions and a known wetting agent such as herein described; and electroplating the job in a known manner, thereafter, in a bath containing copper sulphate, fluoride ions and sulphuric acid.		Complete Specn. 5 pages.	Drwgs. 1 sheet.
Prov. 6 pages.	Complete Specn. 8 pages.	CLASS 86B	149266
CLASS 25B & 35C	149263	Int. Cl.-A 61 g 1/04.	..
Int. Cl.-C 04 b 13/24.		A FOLDABLE STRETCHER.	
A METHOD OF PREPARATION OF AN IMPROVED CEMENT CONCRETE MEMBER.		<i>Applicant & Inventor</i> : RAMASUBBU GANESAN, P.B. 2404, 25, BHARATHI ROAD, COIMBATORE-9, TAMIL NADU.	
<i>Applicant</i> : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T.P.O., MADRAS-600 036, TAMIL NADU.		Application No. 142/Mas/79 filed July 31, 1979.	
<i>Inventors</i> : (1) RAMASWAMY TYER SUBRAMANIAN. (2) RAMACIANDRAN NAGARAJAN.		Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.	
Application No. 31/Mas/79 filed February 15, 1979.		1 Claim	
Complete Specification left January 3, 1980.		A foldable stretcher comprising a main frame, two end frames, a frame top, opposite sides of the said main frame and one side end of the said end frames being bent at 90° to form undersweeps, each undersweep of the end frame being capable of meshing with one undersweep of the main frame by means of pins, lugs and holes provided therein and are resiliently interconnected by helical springs.	
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.		Complete Specn. 7 pages.	Drwgs. 3 sheets.
4 Claims. No drawing.		CLASS 86B & 128G	149267
A method of preparation of an improved cement concrete member characterised by treating a known concrete member with a known monomer initiated to polymerisation by the addition of a catalyst so as to fill in the voids in the said member with the said monomer; and curing the said treated member by known methods to complete the polymerisation reaction.		Int. Cl.-A 45 f 3/10.	
Prov. 4 pages.	Complete Specn. 4 pages.	A PORTABLE SERVICE KIT.	
<i>Applicant & Inventor</i> : RAMASUBBU GANESAN, P.B. 2404, 25, BHARATHI ROAD, COIMBATORE-9, TAMIL NADU.		Application No. 146/Mas/79 filed August 4, 1979.	

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

1 Claim

A portable service kit comprising a channel shaped frame with slotted flanges on either side thereof, the said flanges being provided with securing means such as straps and latches, a plurality of modular boxes capable of being mounted within the said frame, the said boxes having securing means adapted to be aligned to the corresponding securing means in the frame.

Complete Specn. 8 pages.

Drwgs. 3 sheets.

CLASS 206A

149268

Int. Cl.-H 01 q 21/20.

A GRID PARABOLOID ANTENNA.

Applicant & Inventor : THIRUVENKATA KRISHNAN, OF 234, AVVAI SHANMUGAM ROAD, MADRAS-600086, TAMIL NADU.

Application No. 176/Mas/79 filed September 19, 1979.

Complete Specification left December 19, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A grid paraboloid antenna comprising a plurality of parabolic rakes attached to the rim thereof, characterised in that each end of every rake is connected by first and second jointing members to the rim, one end of the first jointing member being provided with a shank entering the rim perpendicularly and being fastened in position therat, while one end of the second jointing member is fastened to the end of a rake, the remaining ends of the first and second jointing members being swivelably connected to each other, the arrangement being such that every rake lies in a plane parallel to the axis of a paraboloid.

Prov. Specn. 7 pages.

Complete Specn 8 pages.

Drawings 3 sheets.

CLASS 204

149269

Int. Cl.-G 01 g 1/00.

A BALANCE.

Applicant & Inventor : THAVANNAN SESHAGIRI, OF 33, III STREET, ABHIRAMAPURAM, MADRAS-600 018, TAMIL NADU.

Application No. 41/Mas/80 filed February 28, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A balance comprising a main lever pivotably supported by a knife-edge resting on a fulcrum, the knife-edge being fixed to the main lever; a pointer moving on a scale graduated in weight units, the pointer being fixed to the main lever; a load-pan suspended from a load-knife fixed to the main lever; and a pendulum fixed to the main lever, whereby as the load on the load-pan tilts the main lever, the pointer tilts along with the main lever to indicate the weight on the graduated scale.

Complete Specn. 7 pages.

Drwgs. 1 sheet.

CLASS 187B

149270

Int. Cl. H04m 1/28.

A MECHANISM FOR THE DELAYED DELIVERY OF TELEPHONE DIAL IMPULSES.

Applicant : INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors : SEVERINO TESSAROLLO AND SILVANO MARZOIA

2-287 GI/81

Application No. 867/Cal/77 filed June 10, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A mechanism for the delayed delivery of telephone dial impulses, the mechanism including a dial with a rotatable finger plate, an eccentric cam driven by rotation of the finger plate, a ring member in frictional engagement with the cam and having a first relatively long and a second relatively short radially extending projection, means for restricting the rotation of the ring member, and a pair of spring contacts disposed adjacent the cam and ring member for producing impulses in response to rotation of the cam, wherein, when the dial is operated, the ring is rotated by the cam until the long projection engages the spring contacts, the contacts being inoperative until engaged by said long projection.

Comp. Specn. 7 pages.

Drwg. 3 sheets.

CLASS 172D4+197

149271

Int. Cl. B08 b 13/00.

A HAND OPERATED DEVICE USEFUL FOR REMOVING FLUFFY MATERIALS FROM CRITICAL AREAS SUCH AS MACHINES USED IN TEXTILE INDUSTRY.

Applicant & Inventors : SHASHIKUMAR SHANKAR DPRE C/O KAT VIK ENGINEERS 234, JAIGOPAL, INDUSTRIAL ESTATE 510, BHAWANI SHANKAR ROAD, DADAR, BOMBAY-400 028, MAHARASHTRA, INDIA.

Application No. 226/Bom/77 filed July 22, 1977.

Complete Specification left on Oct 21, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

A hand operated device for removing the fluffy materials from critical areas such as machines used in textile industry comprising a pointed probe provided at the end of a spindle said spindle having a worm provided on a portion thereof a helical gear rotatable with the worm a pinion keyed to the said helical gear and mounted on a shaft a biasing spring provided for the said pinion and the shaft carrying the pinion and the helical gear being displaceable by the spring a toothed sector connected to a spring loaded trigger and engaging the pinion such that when the toothed sector is moved by pressing the trigger the toothed sector moves towards the spindle and engages the pinion which in turn causes the helical gear to engage the worm shaft to rotate the spindle and the biasing of the said spring causes the shaft carrying the pinion and the helical gear to be displaced away from the spindle when the pressure on the trigger is removed.

Prov. Specn. 4 pages.

Drawing 1 sheet.

Comp. Specn. 6 pages.

Drawing Sheet Nil.

CLASS 70-C4

149272

Int. Cl.-C 23 b 7/00.

APPARATUS FOR ELECTROFORMING METAL FOIL.

Applicant : MANEKI AT SCIENTIFIC RESEARCH FOUNDATION, A-1, BRIGHTON NO. 1, RUMGTA TANE OFF NAPEAN SEA RD., BOMBAY-400 036, MAHARASHTRA, INDIA.

Inventor : PRASHANT MUKUNDRAO AGASKAR

Application No. 232/Bom/1977 filed July 27, 1977.

Complete after provisional left on October 27, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

13 Claims

Apparatus for electroforming metal foil which comprises a plating tank or bath adapted to be filled with a solution

of predetermined electrolyte the material of the bath being inert with respect to the electrolyte, a rotatable mandrel in the form of a cylinder of stainless steel the external cylindrical surface of which is polished up to the grade of a No. 0 emery paper, said mandrel being axially mounted for support on a centrally disposed shaft which is located with respect to the plating tank in such a way that part of the polished cylindrical surface of the mandrel lies within the electrolyte, said shaft being maintained in position by means of a combination of retaining sockets and bushes provided at each end thereof, each combination of said sockets and bushes incorporating a spring-loaded carbon brush which is adapted as a result of such spring-loading to remain in contact with the shaft at all times, said mandrel constituting the cathode of the plating bath and being connected to the negative terminal of conventional rectifier through the spring-loaded carbon brushes at either end of the shaft, at least one anode incorporating the metal from which the foil is to be formed located within or partly within the tank, said anode being connected to the positive terminal of the rectifier, and drive means connected to said mandrel for rotating said mandrel and causing its cylindrical surface to traverse continuously through the electrolyte whereby after the drive means has been switched on and the mandrel rotated through the electrolyte for some time the rectifier is also activated causing current to flow through the electrolyte and metal from the anode to be deposited uniformly on the rotating cylindrical surface of the mandrel-cathode characterised in that there is provided a perforated pipe located within the tank through which air is blown for agitating or circulating the electrolyte.

Provisional Specn. 7 pages. Drwg. 1 sheet.

Complete Specn. 16 pages. Drwg. sheet Nil.

CLASS 68D. 149273

Int. cl.=H02F 3/00

APPARATUS FOR PROTECTING AGAINST SUBSYNCHRONOUS CURRENTS IN A POWER SYSTEM.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : SHAN CHYI SUN AND LARRY LEE CHURCH.

Application No. 1757/Cal/77 filed December 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Apparatus for monitoring a power system for subsynchronous current oscillations having a frequency within a predetermined frequency range, different over a predetermined period of evaluation, said apparatus comprising :

- first circuit means (Fig. 1A (8)) for developing a frequency difference signal ($\omega_0 - \omega_s$) relative to the synchronous frequency, said frequency difference signal being representative of the subsynchronous current in the power system ;
- second circuit means [Fig. 1B (38) ; Fig. 2B (A₁₂, A₁₃)] operably coupled to said first circuit means for performing a full wave rectification of the subsynchronous current signal ;
- third circuit means [Fig. 1B(40) : Fig. 2B (TG₁, A₁₄, A₁₅, L₄)] operably coupled to said second circuit means for receiving said rectified signal and for detecting each pulse therein, said third circuit means being adapted to store a predetermined pulse peak magnitude and to recognize and store only those subsequent pulse peak magnitude which are functionally related in increasing magnitude to the one stored, said third circuit means storing each such successively recognized pulse peak magnitude at its output, said third circuit means being further adapted to be reset upon receipt of an appropriate resetting signal to remove said stored pulse peak magnitude and begin the detection of new pulses ;

- first comparator circuit means [Fig. 1B (42) : Fig. 2B; (A₁₁)] operably coupled to said third circuit means, said first comparator circuit means including a first voltage reference (88), said first comparator circuit means generating a first output signal at the time when the magnitude of said pulse peak magnitude being stored reaches a predetermined level with respect to said first voltage reference ;
- fourth circuit means [Fig. 1B (40) ; Fig. 2B (A₁₆, L₁, L₂)] operably coupled to said third circuit means and said first comparator circuit means for comparing the magnitude of said held pulse with a subsequent pulse, and for generating a pulse peak recognition signal when ever the magnitude of the subsequent pulse reaches a proportionality factor of $(1 + k)$, where k is a constant, with respect to the held pulse and first signal is received from said first comparator circuit means ;
- second comparator circuit means [Fig. 1B (46) ; Fig. 2B (A₁₉)] operably coupled to said third circuit means, said second comparator circuit means including a second voltage reference (92), said second comparator circuit means generating a second output signal whenever the instantaneous magnitude of said held pulse reaches a predetermined level with respect to said second voltage reference ;
- third comparator circuit means [Fig. 1B (44) ; Fig. 2B (A₁₇)] operably coupled to said third circuit means, said third comparator circuit means including a third voltage reference (90), said third comparator circuit means generating a third output signal at the time when the value of said held pulse peak magnitude being stored reaches a predetermined level with respect to said third voltage reference ;
- first timing circuit means [Fig. 1B(48) ; Fig. 2B (L₅, L₆, L₇, Q₂, A₂₁, Q₃)] operably coupled to said fourth circuit means to receive said pulse recognition signal therefrom and having a first timing period associated with the frequency at the lower frequency end of the subsynchronous frequency range of interest for generating a first resetting signal for said third circuit means whenever two successive recognizable pulses from said fourth circuit means are separated in time of occurrence by a period less than said first timing period and for inhibiting generation of said first resetting signal whenever two successive recognizable pulses are separated in time of occurrence by a period greater than said first timing period ;
- second timing circuit means [Fig. 1B(50) ; Fig. 2B (Q₁, A₂₀, Q₄)] operably coupled to said fourth circuit means to receive said pulse recognition signal therefrom and having a second timing period associated with the frequency at the higher frequency end of the subsynchronous frequency at the higher frequency end of the subsynchronous frequency range of interest for generating a second resetting signal for said third circuit means, whenever two successive recognizable pulses from said fourth circuit means are separated in time of occurrence by a period greater than said second timing period and for inhibiting generation of said second resetting signal whenever two successive recognizable pulses are separated in time of occurrence by a period less than said second timing period ;
- third timing circuit means [Fig. 1B (52) ; Fig. 2C (TG₃, TG₄, A₂₂)] operably coupled to said first and second timing circuit means and having a third timing period equal to the predetermined period of evaluation for generating a fourth output signal whenever two successive recognizable pulses are separated in time of occurrence, during said third timing period, by a period greater than said first timing period and less than said second timing period ; and
- logic circuit means (Fig. 1B (54 and 56) : Fig. 2C (L₉, L₁₀, L₁₃, Q₅, Q₆, SCR₂) and (L₈, L₁₁, L₁₂, Q₆)] preconditioned by the operation of said first comparator circuit means, said logic circuit means being responsive to said second and third comparator circuit means and said third timing circuit means for generating an output signal [Figs. 1B, 2C (58)] whenever said second, third and fourth output signals reach a predetermined logical relationship.

CLASS 68C & E 149274
Int. Cl. H02j 3/24, G01r 23/06.

APPARATUS FOR PROVIDING A SIGNAL RESPONSIVE TO SUBSYNCHRONOUS CURRENT FLOWING IN AN ELECTRICAL POWER SYSTEM.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : SHAH CHI SUN.

Application No. 1758/Cal/77 filed December 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Apparatus for providing a signal responsive to subsynchronous current flowing in an electrical power system having a voltage generated at a synchronous power generating frequency, comprising :

first means providing a first signal of constant amplitude having a frequency component at the synchronous frequency,

second means providing a second signal responsible to the current flowing in the power system, which may have a relatively close frequency spaced subsynchronous component in addition to the normal synchronous component,

third means processing said first and second signals to provide a third signal having a first, second and third component whose frequencies are equal to (a) twice the synchronous frequency, (b) the sum of the synchronous and subsynchronous frequencies, and (c) the difference between the synchronous and subsynchronous frequencies, respectively, and fourth means for providing frequency separation of said relatively close frequency spaced component by processing said third signal to remove the first and second components thereof and provide a fourth signal responsive to the third component.

Comp. Specn. 12 pages. Drwg. 1 sheet.

CLASS 80-A + B 149275
Int. Cl. B01d 29/08.

IMPROVED FILTRATION APPARATUS FOR REMOVING SOLIDS FROM LIQUIDS.

Applicant : ION EXCHANGE (INDIA) LTD. TIECION HOUSE, DR. E. MOSES ROAD, BOMBAY-400 011, MAHARASHTRA, INDIA.

Inventor : VIRUTHYAM PARAMPATH RAMA KRISHNAN.

Application No. 276/Bom/78 filed September 20, 1978.

Complete after provisional left December 18, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

19 Claims

Improved filtration apparatus adapted to fulfil the combined functions of coagulant mixing, flocculation and filtration for the removal from impure liquids of solids suspended therein which comprises :

(i) an enclosed substantially cylindrical filter vessel adapted to be filled substantially entirely with a plurality of layers of filter media forming a filter bed, said layers being located in ascending order with the coarsest layer lowermost;

(ii) a mixing chamber located within said filter vessel and adapted to contain a coagulant intended to be mixed with the impure liquid, said chamber being provided with an inlet for entry of impure liquid and an outlet therefor at or near its lower end, the mixing chamber being so located within the

filter vessel that its outlet opens into the lowermost layer of filter media of the filter bed;

(iii) influent pipe means connected to the inlet of said mixing chamber and provided with regulating means for controlling or stopping the rate of flow of impure liquid to the mixing chamber; and

(iv) at least one effluent pipe means provided at or near the top of the filter vessel for outlet of filtered liquid rising up through the filter bed within the vessel, said effluent pipe means being provided with regulating means for controlling or stopping the outflow of filtered liquid.

Provisional Specn. 6 pages.

Drwg. 1 sheet.

Complete Specn. 18 pages.

Drwg. Nil.

CLASS 172E

149276

Int. Cl. B65h 54/00.

THREAD DELIVERY DEVICE FOR TEXTILE MACHINES.

Applicant : AKTIEBOLAGET IRO, OF VISTAHOLM, S-52301 ULRICEHAMN/SWEDEN.

Inventor : KURT ARNE GUNNER JACOBSSON.

Application No. 238/Cal/78 filed March 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A thread-delivery device for textile machines, comprising a drum which can be driven for rotation, onto which drum can be tangentially wound a thread coming from a thread bobbin for forming an intermediate thread storage, and from which for positive delivery the thread can be removed tangentially in the area of a removal edge of the drum through a thread-guiding member which is arranged approximately at the level of the removal edge radially outside of the drum, and a thread-control element is provided which is transversely movably supported relative to the withdrawn thread, which thread-control element is maintained by the withdrawn thread in one operating position in the area of the thread path between the drum and the thread-guiding member approximately at the level of the removal edge of the drum when the withdrawn thread is at normal operating tension, and which thread-control element moves when the thread tension is reduced due to its weight or spring loading into a position below the plane of the removal edge, characterized in that either the thread-guiding member (8) is displaceable from a first position at the level of the removal edge (6) to a second position below the level of the removal edge, or an additional thread-guiding member (8') is provided at the second position below the level of the removal edge (6), and that the thread-control element (15) is locable in a position spaced from the thread path when the thread-guiding member (8) is in its second position or when the thread travels through the additional thread-guiding member (8).

Comp. Specn. 16 pages.

Drwg. 3 sheets.

IND. CLASS 130F + J.

149277

Int. Cl. C 22 b 43/00.

A METHOD FOR THE RECOVERY OF MERCURY FROM THE EFFLUENTS OF THE CELL HOUSE OF AN ELECTROLYTIC CAUSTIC SODA PLANT.

Applicant : AHMEDABAD MANUFACTURING AND CALICO PRINTING COMPANY LIMITED POST BOX 12, AHMEDABAD, GUJARAT, INDIA.

Inventors : 1. NIRENDRA NATH CHATTERJEE AND 2. MARTHANDAN SOMADATHAN.

Application No. 128/Bom/78 filed May 1, 1978.

Complete after provisional left on July 9, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A method for the recovery of mercury from the effluents of the cell house of an electrolytic caustic soda plant using mercury cathodes which comprises adjusting the pH of the effluent to a value between 5 and 12 in a known manner, allowing the solids carried by the effluent to settle, thereafter contacting the clear supernatant liquor containing all the mercury value with a metal which is not in particulate form, and is a capable of forming unstable amalgam with mercury, removing the mercury depleted liquid from the above contact stage and recovering the mercury which automatically separates of its own from the amalgam in the form of elemental mercury.

Complete Specn. 9 pages. Drwgs Nil
Prov. Specn. 5 pages. Drwgs Nil.
IND. CLASS 116 G 149278
Int. Cl.-B 65g 47/00, 51/00.

AIR LOCK ACTUATED BY SYSTEM PRESSURE.

Applicant & Inventor : SHREEPAD MANOHAR MONDKAR, AN INDIAN CITIZEN, FLAT NO. 9, KASHINATH CO-OP. HOUSING SOCIETY LTD., GHANTALI ROAD, NAUPADA, THANA-400 602, MAHARASHTRA, INDIA.

Application No. 137/Bom/78 filed on May 4, 1978.

Comp. left on August 3, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Bombay Branch.

7 Claims

Air lock actuated by positive or negative system pressure comprising of :—

- (i) a diaphragm chamber for being fitted to compartment of an airlock body and one side of said diaphragm chamber being open to atmosphere;
- (ii) the rod of the diaphragm which is located within a guide bush and one side of said diaphragm chamber is provided with an opening for connecting it to positive or negative system pressure for equalising the system pressure and a diaphragm made from synthetic or natural rubber, plastic, nylon, leather or metal foil or combination thereof is located and sandwiched between the flanges of said diaphragm chamber and said diaphragm carries in its centre a boss for fixing thereto one end of a connecting rod passing through a guide bush and the other end thereof is connected to a link mechanism;
- (iii) said link mechanism comprising a pivotally mounted arm working within a slot provided in reciprocating arm which 'inter alia' is connected to another pivotally mounted arms, the last of said arm being connected to shaft of a flap provided to air lock chamber of an air lock body, alternatively said pivotally mounted arm is carrying a pair of elongated slots formed in a line and separated from each other by a hole in its centre forming a seat for a pivot and in that lower of said slot forms a seat for pivot of pivotally mounted extension arm of diaphragm rod when said diaphragm chamber is fitted to an air lock body working on negative system pressure and the upper of said slot forms a seat for pivot of said pivotally mounted extension arm of diaphragm rod when said diaphragm chamber is fitted to an air lock body working on negative system pressure.

Provisional Specn. 13 pages. Drwgs 2 sheets.
Complete Specification 16 pages. Drwgs. 2 sheets.

CLASS 98-I 149279
Int. Cl.-H01 15/02.

SEMICONDUCTOR PHOTOVOLTAIC GENERATOR AND METHOD OF MANUFACTURING THEREOF.

Applicant & Inventor : NIKOLAI STERANOVICH LIDORENKO, 3, MYTISCHINSKAYA ULISTA, 14A, KV. 127, MOSCOW, USSR. (2) VLADIMIR MIKHAILOVICH EVDOKIMOV, ANADYRSKY PROSPEKT, 67.

KV. 77, MOSCOW, USSR. (3) VITALY VIKTOVICH ZADDE, POSELOK SVERNY, 9 LINTA, 3, KV. 120, MOSCOW, (4) ALEXANDR IVANOVICH KOZLOV, ULITSA MIKHAILOVA, 5, KV. 66, MOSCOW, USSR. (5) STANISLAV VASILIEVICH RYABIKOV, PEREULOK VASNETSOVA, 12, KV. 64, MOSCOW, USSR. (6) VALERY NIKOLAEVICH POTAPOV, ULITSA TIMIRYAGE VSKAYA, 13, KV. 213, MOSCOW, USSR. (7) DMITRY SEMENOVICH STREBKOV, ULITSA LUGANSKAYA, 21, MOSCOW, USSR. (8) TATIANA IVANOVNA SURIANINOVA, DMITROVSKOE SHOSSE, 25, KV. 113, MOSCOW, USSR. (9) BORIS ALEKANDROVICH CHUBRIKOV, ULITSA FEDORA POLETAEV 25, KV. 160, MOSCOW, USSR. (10) VALENTINA VASILIEVNA ZATRA VINA OBLAST, MYTISCHINSKY RAION, DEREVNYA BELYANINOVA, 6 DEREVNYA BELYANINOVA, 6, MOSKOVSKAYA OBLAST, USSR. (11) BORIS VASILIEVICH KOROLEV, SHENKURSKY, PROEZD, 8, KV. 208, MOSCOW, USSR. (12) VIKTOR FEDOROVICH KULIKOV, MOSCOW, ULITSA KOMAROVA, 11-B, KV. 58 MOSCOW, USSR. (13) LARISA LEONIDOVNA ZHURAVLEVA, ULITSA BAZHOVA, 15, KORPUS 8, KV. 64, MOSCOW, USSR. (14) VADIM-ALEXEEVICH UNISHKOV, ULITSA BAZHOVA, 15, KORPUS 1, KV. 162, MOSCOW, USSR. (15) ANATOLY ALLXEEVICH DORMODONTOV, ULITSA MARI ULYANOVOI, 11, KV. 93, MOSCOW, USSR. (16) VIKTOR IVANOVICH MOISEEV, 3, MYTISCHINSKAYA ULITSA, 14-A KV. 74, MOSCOW, USSR. (17) LJUBOV PETROVNA KUDESHOVA, STUDENY PROEZD, 38, KORPUS 2, KV. 391, MOSCOW, USSR.

Application No. 524/Cal/78 filed May 15, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A semiconductor photovoltaic generator which comprises a plurality of photovoltaic converters each having a p-n junction located between the base and inverse regions, the converters being wires in series by current-collecting contacts along opposite planes to form a monolithic structure such as the photo-active face of the generator is of a staircase-like design where the area of every step is inversely proportional to the intensity or incident radiation while the width ("a") of a step 10 is about equal to or smaller than, the diffusion distance of minority carriers in the base region.

Comp. Specn. 31 Pages.

Drg. 6 Sheets.

IND. CLASS : 59A. 149280

INT. CLASS : A01g 25/00, E02b 13/00.

A SYSTEM FOR THE IRRIGATION OF PLANTS.

Applicants : BO JUFORS, of BAGERSGATAN 4, S-211 25 MAL MO, SWEDEN.

Appln. No. 226/Bom/1978. Filed Jul 28, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

6 Claims.

A system for the irrigation of plants (1) comprising strands (2) of porous bodies (3) placed beside each other and permanently buried under ground surface, said strands discharging, at least their one end, in water-carrying ditches of channels (4) for supplying said strands with water, said bodies (3) being caused by capillary forces to emit a regulated amount of water to the soil layer (5) located most proximal to said strands (2) in dependence of the moisture need of the plants (1).

Int. Class : D06 I 3/00.

Int. Class : O06I 3/00.

A SINGLE STAGE PROCESS FOR OBTAINING A COMBINED EFFECT OF DESIZING, SCOURING OR PRESSURE BOILING, CHEMICKING, WASHING PEROXIDE BOILING AND OPTICAL WHITENING OF TEXTILE MATERIALS AND THE TEXTILE MATERIALS SO OBTAINED.

Applicant & Inventor: VISHWANATH DATTATRAY SAHAKARI, C/o KAMAL INSTITUTE OF RESEARCH & APPLIED TECHNOLOGY, 9, BALARAM NIWAS, MAHAIMA PHULE MARG, NAIGAUM ROAD, BOMBAY-400 014, MAHARASHTRA, INDIA.

Application No. 239/Bom/78. Filed August 11, 1978.

Complete specification after provisional left on July 13, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

3 Claims.

1. A single stage process for obtaining a combined effect of desizing, scouring or pressure boiling, chemicing, washing peroxide boiling and optical whitening of textile materials such as hereinbefore described comprising wetting of the textile materials in a 0.1% solution of any wetting agent, washing and heating in a 'kier', 'jigger' or any other continuous or noncontinuous textile processing machines containing an aqueous solution made up of :

- (i) 0.5-1.0% soda ash
- (ii) 0.01-0.5% caustic soda
- (iii) 0.25-0.5% synthetic anionic detergent.
- (iv) 0.5-2.75% silicate of soda or sodium metasilicate
- (v) 0.75-2.75% of an emulsifying solution (having a chemical analysis for each 10 parts by weight of solution to contain :
 - (a) 0.1-9.8 parts by weight of emulsifiers based on ethylene oxide condensates or nonyl-phenol types such as : arylalkyl polyether or alkyl polyester alcohols
 - (b) 0.2-5.0 parts by weight of water
 - (c) 0.1-6.0 parts by weight of pine oil or wood turpentine oil
 - (d) 0.01-3.0 parts by weight of carbon tetrachloride or trichloroethylene
 - (e) 0.01-3.0 parts by weight of benzene or toluene
 - (f) 0.1-2.0 parts by weight of acetone
 - (g) 0.1-3.0 parts by weight of chloroform
 - (h) 0.01-1.0 parts by weight of essential oil such as ginger grass oil or citronella oil
- (vi) 1.0-3.0% hydrogen peroxide (50% strength) at a temperature of 90°—100°C for 1 to 4 hours.

Provisional specification 6 pages no drawing.

Complete specification 7 pages no drawing.

CLASS : 61-H+62D+155-F2. 149282.

Int. Cl : D06c 7/00.

A NOVEL METHOD OF HEAT TREATMENT OF WET TEXTILES.

Applicants: AHMEDABAD TEXTILES INDUSTRY'S RESEARCH ASSOCIATION, AN INDIAN REGISTERED BODY, REGISTERED UNDER SOCIETY'S ACT, XXI OF 1860, P.O. POLYTECHNIC, AHMEDABAD-380015, GUJARAT, INDIA.

Inventors: HEMENDRA UMIASHANKER MEHTA 2. VALLAVBHAI KANCHANLAL BORTALAVWALA 3. GAUTAMBHAI BABULAL SHAH 4. SURYAKANT SIVASHANKER TRIVEDI.

Application No. 264/Bom/78. Filed Sept. 2, 1978.

Complete after provisional left on June 13, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

5 Claims.

1. A method of heat treatment of a wet textile material for example for drying, dehydration, curing, baking, heat-setting, thermofixation, development and fixation of colours on dyeing or printing, to reduce moisture content, characterised in that the wet textile material is exposed and moved at least once relative to a plurality of open flames, issuing from

pin holes, slits or the like, or vice versa, for a period until the selected heat treatment related to hereinabove is accomplished, said relative rate of movement being dependent upon the period for which the textile material is to be exposed, the said textile material having been pre-treated with a fire retardant, such as herein described.

Provisional specification 9 pages drawing sheet n/a.

Complete specification 15 pages drawing sheet 1.

CLASS 32-E.

149283

Int. Cl. C08g 5/06.

"PROCESS FOR PRODUCING PHENOL—FORMALDEHYDE RESINS"

Applicant: BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF LVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. MANFRED SCHMIDT, 2. THEO KEMPERMANN, 3. DIETER FREITAG, 4. HERMANN FRIED, & 5. ERICH ESCH.

Application No. 668/Del/78 filed September 12, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A process for producing a phenol-formaldehyde resin having a softening point of from 50 to 130°C, an OH-number of from 250 to 400 and an iodine number of from 90 to 160, characterised in that an alkyl phenol-formaldehyde novolak or an alkyl phenol mixture (such as herein described) formaldehyde novolak is reacted under acid-catalysed conditions with a polynuclear phenol or polynuclear phenol mixture such as herein described and formaldehyde and/or an aliphatic aldehyde or aliphatic aldehyde mixture such as herein described, the ratio by weight of the alkyl phenol or alkyl phenol mixture to the polynuclear phenol or polynuclear phenol mixture being from 2.2 : 1 to 1 : 10.

(Complete Specification 20 pages and Drawing 1 sheet).

Class : 33-D, 57-D, 136-E.

149284

Int. Cl. B22d-41/02.

"IMPROVED SLIDE GATE COMPONENT AND METHOD FOR ITS MANUFACTURE".

Applicants: GENERAL REFRACTORIES COMPANY, A CORPORATION EXISTING BY AND UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA, OF 50 MONUMENT ROAD, BALA CYNWYD, PENNSYLVANIA, 19004 UNITED STATES OF AMERICA.

Inventors: JOSEPH LAWRENCE STEIN AND THOMAS JOSEPH MASKELL.

Application No. 758/Del/78 filed October 13, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

(Claims 12)

A slide gate component of a valve for controlling the flow of molten material, said portion comprising :

a metal container, and a coherent refractory within said container, said refractory being affixed in direct contact with said container, said refractory being formed in said container from a particulate ceramic mixture and a binder such as herein described said binder being capable of forming a chemical bond with said ceramic at low temperatures.

(Complete Specification 19 pages Drawing 1 sheet).

CLASS 55-D

149285

Int. Cl : A01n 5/00.

"A PROCESS FOR THE MANUFACTURE OF WEEDCIDE FOR WEEDS SUCH AS PARTHENIUM GRASS."

Applicant : MRS. LEELA SHIVAJI KADAM, BLOCK Q-10, P.M.C. COLONY NO. 7, GHORPADE PETH, PUNE-411 030, MAHARASHTRA, INDIA.

Inventor : SHIVAJI SHANKERRAO KADAM.

Application No. 332/Bom/78 filed Nov. 15, 1978:

Complete after provisional left on June 6, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

A process for the manufacture of weedicide for weeds such as parthenium grass comprising mixing under constant stirring in a concentrated common salt solution at room temperature, separately boiled, hot filtered cocum (amsul) i.e. mangosteen rind extract with a separately boiled, hot, filtered solution of calotropis gigantea leaves (rui) extract to obtain a homogenous weedicide as herein described.

Provisional specification 3 pages, No Drawings.

Complete specification 5 pages, no drawing.

CLASS 62-E. 149286

Int. Cl. : D06f 23/02.

A HAND DRIVEN WASHING MACHINE.

Applicant & Inventor : KAVALATH KESAVAN KUTTY MENON, C/o 15/15, AMIN HOUSE, GOA STREET, FORT, BOMBAY-400 001, MAHARASHTRA, INDIA.

Application No. 337/Bom/1978 filed Nov 21, 1978.

Complete specification after provisional left on Feb. 21, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

A hand driven washing machine, comprising a heat resistant sphere made of steel, aluminium or plastic, said sphere fixed on a stand and also having an opening; said opening being provided with an air tight lid and said sphere mounted on the said stand being adapted to rotate on a tubular base by means of a handle.

Complete specification 6 pages Drawing sheet—1.

Provisional specification 3 pages Drawing sheet—1.

CLASS : 32F₂b+32G. 149287

Int. Cl. : C07d—5/12

IMPROVEMENTS IN OR RELATING TO THE SYNTHESIS OF ASCORBIC ACID (VITAMIN C) FROM 2, 3 : 4, 6-DI-O-ISOPROPYLIDENE-2 KETO-L-GLUCONIC ACID MONOHYDRATE.

Applicants : AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, An Indian Registered body, Registered under Society's Registration Act, XXI of 1860, P.O. Polytechnic, Ahmedabad-380015, Gujarat, India.

Inventors : (1) TUSHAR KANTI DAS, (2) PREM PAL SINGH, (3) HARISH CHANDRA SRIVASTAVA.

Application No. 1/Bom/79, Filed on January 1, 1979.

Comp. after prov. Left on October 31, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

An improved process for the production of ascorbic acid (vitamin C) from 2, 3 : 4, 6-di-O-isopropylidene-2-keto-L-gluconic acid monohydrate hereafter referred to as DAKGAH, comprising reacting DAKGAH in a solvent selected from saturated chlorinated hydrocarbons such as chloroform, dichloroethane, trichloroethane and tetrachloroethane, and aromatic hydrocarbons, such as benzene and toluene, with hydrochloric acid, the reaction being carried out at 60 to 75°C for a period of 4 to 6 hours, using DAKGAH to said solvent ratio of 1 : 2 to 3 (w/v) and aqueous hydrochloric acid (25 to 34%) to DAKGAH ratio of 0.05 to 0.20 : 1, (v/w), and purifying the products *in situ* by a method such as herein described.

Complete specification : 12 pages. Drawings : Nil.

Provisional specification : 11 pages. Drawings : Nil.

Int class 64B1.

Int class H01r 35/00, H02g 11/00.

IMPROVEMENTS IN SUPPLY LINE SUPPORT DUCTING

Applicant : KABELSCHLEPP GMBH. A COMPANY ORGANISED UNDER THE GERMAN LAW OF MARIENBORNER STRASSE 75 5900 SIEGEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : MORITZ WERNER 2, LOOS KURT 3, HASEK FRIEDRICH.

Application No. 70/Bom/1979. Filed on Mar 7, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

12 Claims.

1. Support ducting for supporting supply lines between a mobile consumer unit and a stationary connection point, the ducting comprising a series of pipe elements inter-engaging in a manner allowing limited relative movement there between, the elements being alternately wide elements with inwardly directed side walls and narrow elements with outwardly directed side walls, one half of each wide element being narrower in width than the other half of that element by the width of the channel formed between the side walls of each narrow element.

Comp. specn. 13 pages drawings 3 sheets.

CLASS 92-I

149289

Int. Cl. : A01f 7/00.

IMPROVEMENTS IN OR RELATING TO MANUALLY OPERATED PADDY THRASHING MACHINES.

Applicant & Inventor : BASANTA KUMAR BANERJEE, TRADING AS EXPO ENGINEERING, OF 109 DESH PRAN SASHMAL ROAD, HOWRAH-711 101, WEST BENGAL, INDIA.

Application No. 228/Cal/79 filed March 9, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A manually operated paddy thrashing machine in which by upward and downward movement of a paddle, rotary motion is imparted to the paddy thrashing drum in the machine, the said drum comprising of pinned all round wooden drum fixed firmly at either end on to cast iron flanges and the said flanges in turn are secured axially to a long shaft mounted at either end on antifriction ball bearings fitted on housings on two cast iron side frames of the machine and the said drum shaft at its either end is keyed to respective spur pinions, each of which mesh with a gear provided with an eccentric pin, the said pin being connected to the paddle lever by means of a connecting rod characterised in that the said rod connecting the gear eccentric pin and the paddle lever at either side of the machine is made of three parts, namely, an eye piece rotatably engaging the gear eccentric pin and a slotted draft link engaging the paddle lever both connected by means of a threaded rod having locking nuts at both ends and provided with right hand threadings at one end and left hand threadings at the other and one end of the said rod is screwed to the said eye piece and the other end screwed to the slotted draft link and duly locked in the screwed positions by means of the said locking nuts provided at either end of by first the connecting rod whereby by first releasing the said locking nuts and then rotating the said connecting rod either clockwise or anti-clockwise and then again setting the locking nuts tight the extreme downward position of the paddle and consequently the extreme upward position of the paddle can be raised or lowered.

Comp. Specn. 7 pages.

Drg. 2 sheets.

CLASS 149-A 149290
Int. Cl.-E 02 d 5/00.

PILE AND LINER ASSEMBLY PROCESS FOR THE MANUFACTURE THEREOF AND METHOD OF PILING EMPLOYING SUCH ASSEMBLY.

Applicant : CEMINDIA COMPANY LIMITED, OF STEELCRETE HOUSE, DINSHAW VACHHA ROAD, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : SUKUMAR MUKHERJEE.

Application No. 102/Bom/1979 filed April 9, 1979.

Complete after provisional left on July 9, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

39 Claims

A pile and liner assembly wherein the liner is adapted, under stress, to slide axially upwards or downwards in relation to the pile shaft, which comprises an elongate pile of predetermined shape and dimensions, at least one layer of lubricant supplied circumferentially to the pile shaft over a predetermined area on its surface, a sleeve of lubricant retaining shaft material provided over the lubricant layer and means for sealing the free upper and lower ends of the sleeve to the pile shaft.

Provisional Specn. 4 pages. Drwg sheet Nil

Complete Specn. 18 pages. Drwg. 2 Sheets.

CLASS 146 B 149291

Int. Cl.-B 43 1 9/00.

CIRCLE DRAWING DEVICE.

Applicant & Inventor : DILIP JAINENDRA KOTHARI 27, SHIVAJI HOUSING SOCIETY POONA-411 006, MAHARASHTRA, INDIA.

Application No. 126/Bom/79 filed on May 9, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A circle drawing device comprising a pair of clamping members in the form of circular discs, having square openings at the centres for a screw with square section to pass through and to be tightened with a knurled nut, characterised in that each of the said clamping members is provided with a longitudinal groove adapted to hold either the marking or pointer means, there being provided a flat supporting circular plate in between the said clamping members such that when the said marking or pointer means are held between the said clamping members, the same is tightened with said knurled nut.

Comp. Specn. 4 pages. Drwg. 1 sheet.

CLASS 2-B. 149292

Int. Cl.-G 09 f 7/00

A PORTABLE SCREEN OR ADVERTISEMENT HOARDING.

Applicant : CANDS EXPORTS PRIVATE LTD. 73, M.I.D.C. INDUSTRIAL AREA, CHAKALA, BOMBAY-400 093, MAHARASHTRA, INDIA.

Inventor : SANJEEV DATTATRAYA ANFY.

Application No. 132/Bom/1979 filed May 15, 1979

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

A portable screen or advertisement hoarding consisting of a panel of thin and flexible paper, cloth or plastic rolled under tension onto a spring loaded cylinder and retained on the cylinder under tension by means of a retaining guide bar, said retaining guide bar having

attached thereto one or more suction cups which is adapted to be fixed on to a smooth surface, said panel capable of being stretched against spring tension and provided with a hole at its free extremity for hooking the panel over a slit of a free suction cup or like structure fixed at a predetermined distance from the suction cup attached to the retaining guide bar.

Complete. Specn. 6 pages.

Drwg. 1 sheet.

CLASS 172-D. 149293

Int. Cl.-D01h 7/76.

IMPROVEMENTS IN OR RELATING TO OPEN-END SPINNING MACHINFS.

Applicant : THE TEXTILE & ALLIED INDUSTRIES RESEARCH ORGANISATION, KALABHAVAN PREMISES, BARODA-390 001, GUJARAT, INDIA.

Inventor : BHAGVATIPRASAD BALUBHAI JOSHI.

Application No. 182/Bom/1979, filed June 18, 1979. Patent of addition to 133036.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims

An open-end spinning machine as claimed in Indian Patent Specification No. 133036 characterised in that the axis of the feed roller, axis of theicker-in roller and the axis of the rotor are parallel to each other.

Complete Specn. 7 pages.

Drwgs 3 sheets.

CLASS 24F 149294

Int. Cl.-B 60 t 13/44.

A SERVO BOOSTER ASSMBLY FOR A VEHICLE BRAKING SYSTEM.

Applicant : LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventors : (1) ALFRED WILLIAM THOMAS, (2) LUTZ ECKART ALBERT OP DEN CAMP.

Application No. 123/Mas/79 filed July 5, 1979.

Convention date 8-7-1978 (No. 29255/78 United Kingdom).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A servo booster assembly for a vehicle braking system comprising a housing, a movable wall dividing the interior of the housing into two chambers and having an operative connection with an output member for applying a force to the output member when the chambers are subjected to a pressure differential controlled by a valve operated by an input member, at least one tie extending through the movable wall from one housing wall to a further housing wall or the opposite side of the movable wall, means sealing the movable wall directly or indirectly to the tie, and a sleeve secured to or integral with said one housing wall and encasing at least part of the tie within the housing.

Comp 14 pages.

Drwgs. 2 sheets

CLASS 24F

149295

Int. Cl.-B 60 t 13/44.

A SERVO BOOSTER FOR A VEHICLE BRAKING SYSTEM

Applicant : LUCAS INDUSTRIES LTD., GREAT KING STREET BIRMINGHAM 19, ENGLAND.

Inventors : (1) ALFRED WILLIAM THOMAS, (2)

LUTZ ECKART ALBERT OP DEN CAMP.

Application No. 124/Mas/79 filed July 5, 1979.

Convention date 8-7-1978 (No. 29253/78 United Kingdom).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch..

4 Claims

A servo booster for a vehicle braking system comprising a housing, a movable wall and at least one tie extending through the movable wall and substantially parallel to the direction of movement of the movable wall, in which one end of the tie is sealed to the housing by the peripheral bead of a rolling diaphragm which seals the movable wall to the tie.

Complete 7 pages.

Drwgs. 2 sheets

CLASS 24F 149296

Int. Cl. B 60 t 13/44.

A SERVO BOOSTER ASSEMBLY.

Applicant : LUCAS INDUSTRIES LTD., GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventors : (1) ALFRED WILLIAM THOMAS, (2) LUTZ ECKART ALBERT OP DEN CAMP.

Application No. 125/Mas/79 filed July 5, 1979.

Convention date 8-7-1978 (No. 29255/78 United Kingdom).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims

A servo booster assembly of the kind having at least two shells defining a housing, means for connecting the housing shells respectively to a vehicle bulkhead and to a master cylinder housing, and a diaphragm assembly comprising a diaphragm of elastomeric or other flexible material dividing the housing into at least two chambers and provided with a radially outer peripheral bead, in which the housing shells have a snap engagement with each other at their radially outer peripheries between which is defined an annular recess in which the diaphragm bead is located, the outer peripheries of the shells are capable of a limited amount of axial movement towards each other, and the amount of their movement towards each other is limited by engagement between complementary abutments provided on the shell peripheries.

Complete 10 pages.

Drwg. 1 sheet.

CLASS 24F 149297

Int. Cl. B 60 t 13/44.

A SERVO BOOSTER FOR A VEHICLE BRAKING SYSTEM.

Applicant : LUCAS INDUSTRIES LIMITED, GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventors : (1) ALFRED WILLIAM THOMAS, (2) LUTZ ECKART ALBERT OP DEN CAMP.

Application No. 126/Mas/79 filed July 5, 1979.

Convention date 8-7-1978 (No. 29253/78 United Kingdom).

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

13 Claims

A servo booster for a vehicle braking system comprising a housing, a movable wall dividing the interior of the housing into two chambers and adapted to apply a force to an output member when the chambers are subjected to a pressure differential in response to a force applied to an input member, the movable wall comprising a main diaphragm supported by a diaphragm support plate, and at least one tie extending through the support plate from one housing wall to a housing wall on the opposite side of the movable wall and substantially parallel to the direction of movement of the support plate, the support plate being provided with a tubular extension substantially coaxial with the tie, and the tie being sealed to the support plate by a rolling diaphragm, of which one end is sealed

to the tubular extension and the other end is sealed to the tie.

Complete Specn. 12 pages.

Drwgs. 2 sheets.

CLASS 149-A

149298

Int. Cl. E 02 d 7/00.

IMPROVED METHOD OF PILING WITH PRECAST PILES AND PILE CONSTRUCTED BY THE SAID METHOD.

Applicant : CEMINDIA COMPANY LIMITED, STEEL-CRETE HOUSE, DINSHAW VACHHA ROAD, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : SUKUMAR MUKHERJEE.

Application No. 216/Bom/79 filed August 6, 1979.

Complete Specn. left on November 5, 1980.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

18 Claims

An improved method of piling with precast piles employing substantially reduced cement content for the annulus filler mix which comprises boring a hole of desired dimensions in the ground in any known manner, lowering a precast pile into said hole, preparing an aqueous mixture of inert material such as herein described and cementitious material in which the ratio of the inert material to cementitious material is from 5 : 1 to not less than 2 : 1, combining the mixture thus prepared with a matured aqueous suspension of flowability additive such as herein described to form the annulus filler mix, pumping the filler mix thus prepared into the annular space between the pile and the borehole and allowing the mix to harden to form the finished pile.

Provisional Specn. 11 pages.

Drwg. sheets Nil.

Complete Specn. 11 pages.

Drwgs. 2 sheets

IND CLASS 113 D

149299

Int. Cl. F 21 v 37/00.

IMPROVED VEGETABLE OIL LAMP.

Applicant : MRS. YAMINI MADHAO BHUSKUTE, BLOCK 5 SWACHHANDA HOUSING CO-OPERATIVE SOCIETY SARASWATI COLONY DOMBIVILI (EAST) 421201, MAHARASHTRA, INDIA.

Inventor : MADHAO MADHUSUDAN BHUSKUTE.

Application No. 265/Bom/79 filed on 22nd September, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

Improved vegetable oil lamp comprising a pan type conventional head for the lamp characterised in that there is provided a second correspondingly shaped pan of a size smaller than the said conventional head and having a plurality of small openings in the base such that the said second smaller pan rests over the pan shaped depression of the conventional head of the lamp, the wicks of the lamp passing through the said small openings and upwards to the tip portions of the pan of the said second smaller pan, such that the oil dripping from the burning tip of the wick is collected in the conventional head.

Complete Specn. 4 pages.

Drwgs. 1 sheet

CLASS 79

149300

Int. Cl. B 42 f 13/00

A FILE COVER WHICH IS ALSO USABLE AS A FILE REST.

Applicant : SPADS PHOTOTYPE SETTING INDUS. LTD. PRIVATE LIMITED OF 101-A POONAM CHAMBERS 3RD FLOOR, SHIVSAGAR ESTATE DR. ANNIE BESANT ROAD, WORLI, BOMBAY-400 018, MAHARASHTRA, INDIA.

Inventor : DEV SOMADATTA SHARMA.

Application No. 340/Mas/79 filed on December 4, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

A file cover which is also usable as a file rest comprises a front and a rear covers and a spine; the said covers and the spine being separate portions or integral with each other and suitably crimped a file clip provided in the said spine characterised in that one or more calinear horizontal grooves are provided along the face of each of the said covers and the spine to bend the file backwards along one of the grooves and a swivellably hinged flat support is mounted on the file clip to hold the file in the said backward bent position.

Complete Specn 5 pages.

Drwg 1 sheet.

CLASS 32-F, + 55-D.

149301

Int. Cl.A 01 n 9/00, C 07 c 121/00.

A PROCESS FOR THE PRODUCTION OF α -CYANO-3-PHENOXYBENZYL-2-(4-CHIOPHENYL)-3-METHYL BUTANOATE.

Applicant : SEARLE (INDIA) LIMITED, RALLI HOUSE, 21, DAMODARDAS SUKHADVALA MARG, BOMBAY-400 001, MAHARASHTRA, INDIA.

Inventors : DR. RAM NIWAS GOEL, DR. RAVI RATAN SOBTI.

Application No. 351/Bom/1979 filed December 17, 1979.

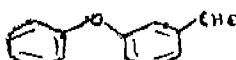
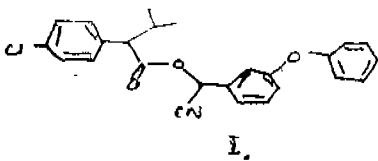
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

19 Claims

A process for the production of α -cyano-3-phenoxybenzyl-2-(4-chlorophenyl)-3-methyl butanoate (FENVALERATE) of formula I of the accompanying drawing which comprises reacting 2-(4-chlorophenyl)-3-methyl butyryl halide of formula III of the accompanying drawing wherein X is chlorine or bromine with 3-phenoxybenzyldehyde of formula IV of the accompanying drawing and an alkali metal cyanide in two immiscible solvent phases in the presence of an amine as a catalyst.

Complete Specn. 7 pages.

Drwg 1 sheet



CLASS 89

149302

Int. Cl.-G01b 3/18.

MICROMETER HEAD FOR INTERNAL MEASUREMENT INSTRUMENT.

Applicant : TESA S.A., OF RUE BUGNON 38, 1020 RENENS, SWITZERLAND.

Inventors : GEORGE LENDI, NICOLAE VOINESCU AND RENE DE TREY.

Application No. 944/Cal/77 filed June 23, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A micrometer head for an instrument for measuring internal dimensions the head comprising a casing having at least one radial slot formed therein at least one radial measuring feeler slidably mounted within said radial slot, a threaded member connected to said casing, a spindle having a coaxial measuring micrometer screw connected thereto, said micrometer screw engaging in said threaded member, cone member coaxial with said spindle, said cone member being rotationally fast with said spindle, said feeler having an inclined base for contact with said cone member, said inclined base comprising at least one contact zone inclined at an angle less than the angle of the generatrices of said cone member with respect to the axis

3-287 GI/81

of rotation thereof, a contact path for said contact zone in the form of a conical spiral ramp being provided on said cone member, said conical spiral ramp contact path being constituted by the base of a groove having a cross-section which forms a triangle with the generatrices of said cone member and retaining means for maintaining said contact zone of said measuring feeler in contact with said groove base forming the contact path of said cone member.

Complete Specn. 16 pages.

Drwg. 2 sheets.

CLASS 156E & 190C

149303

Int. Cl.-F01d 5/12

METHOD OF MAKING ROTOR BLADES OF RADIAL-AXIAL HYDRAULIC MACHINES.

Applicant : PROIZVODSTVENOE OBIEDINENIE TURBOSTROENIA "LENINGRADSKY METALLICHESKY ZAVOD", SVERDLOVSKAYA NABEREZHNAIA, 18, LENINGRAD, USSR.

Inventors : GRIGORY ABRAMOVICH BRONOVSKY, MIKHAIL OSIPOVICH BUKCHIN AND ALEXANDR IOSIFOVICH GOLDFARB.

Application No. 1293/Cal/77 filed August 19, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A method of making rotor blade of a radial-axial hydraulic machine consisting in preparing a plain blank, machining said blank till obtaining a required blade blank profile and subsequent bending the machined blank to the preset blade contain by pressing, is characterised by that the said plain blade blank is contruded of at least two components of sheet pieces cut to blade contour in the direction of preferable varying cross-sectional blank thickness, the thickness of each said sheet pieces being not less than the maximum cross-sectional thickness of the blade blank at the portion thereof defined by the said sheet pieces, then the said components being interconnected through welding to produce the said blade blank which is subsequently machined and pressed to final blade contour.

Complete Specn. 6 pages.

Drwg. 1 sheet.

CLASS 48A₄ & D₃

149304

Int. Cl.-HO₁b 11/00.

APPARATUS FOR SEPARATING WIRES.

Applicant : DAINICHI-NIPPON CABLES, LTD., OF 8, NISHINO-CHO, HIGASHI-MUKAIJIMA, AMAGASAKI-SHI, HYOGO-KEN, JAPAN.

Inventors : MAKOTO HASHIMOTO, YOSHIO TOMITA, FUMIO NAGATSUNA, MASATERU HIROSE, SHOGO TANNO.

Application No. 1739/Cal/77 filed December 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

In an apparatus for separating a group of wires having movable means formed in a surface thereof with at least one notch dimensioned to accommodate one of the wires, a confining member and a block member disposed along and close to the path of movement of the notch and defining a wire group inlet and a wire outlet, and means provided at the inlet for pressing the group of wires, the improvement comprising an assembly for rocking the movable means and the group of wires relative to each other longitudinally of the wires.

Comp Specn. 12 pages.

Drg. 3 sheets.

CLASS 172F

149305

Int. Cl.-D01h 13/14.

APPARATUS FOR EVALUATING YARN SIGNALS.

Applicant : ZELLWEGER USTER LTD., OF WILSTRASSE 11, CH-8610 USTER, SWITZERLAND.

Inventor : WERNER MANNHART.

Application No. 32/Cal/78 filed January 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An apparatus for evaluating yarn signals having at least one approximately periodic portion superimposed on an irregularity, comprising comparators for determining the polarity of discrete values of the yarn signals, at least one counting device for determining the number of values in constant intervals with coinciding polarity for all intervals in a predetermined range ($\sqrt{2} - \sqrt{1}$) and threshold value devices for determining if prescribed numerical values are exceeded in the counting devices, and a device defining a threshold value for actuating switching means if predetermined numerical values in said counting device are exceeded.

Complete Specn. 11 pages.

Drg. 1 sheet.

CLASS 76H & 181

149306

Int.C 4-F16j 15/00, E02b 3/16.

IMPROVEMENTS IN A BYPASS FLUSH SYSTEM FOR A MECHANICAL SEAL ASSEMBLY.

Applicant : DURAMETALLIC CORPORATION, 2104 FACTORY STREET, KALAMAZOO, MICHIGAN, U.S.A.

Inventor : WILLIAM VICTOR ADAMS.

Application No. 24/Cal/78 filed January 11, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Improvements in a Bypass flush system for a mechanical seal assembly comprising: a fluid handling apparatus having housing means defining therein a fluid receiving chamber, rotatable shaft means projecting into said chamber, and fluid contacting means movably disposed within said chamber and mounted on said shaft means for rotation therewith; a sleeve-like housing structure disposed in surrounding relationship to said shaft means and fixedly connected to said housing means, a mechanical seal assembly coaxing between said shaft means and said housing structure, said mechanical seal assembly including a first annular seal member surrounding and nonrotatably connected to said shaft means and a second annular seal member surrounding said shaft means and nonrotatably mounted relative to said housing structure, said first and second annular seal member having opposed seal faces maintained in slidably sealing engagement with one another, said housing structure and said shaft means defining therebetween a seal cavity which is located between said mechanical seal assembly and said chamber;

environmental control means for said mechanical seal assembly, said control means comprising a liquid type bypass flush system having bypass conduit means connected between the discharge of said fluid handling apparatus and said seal cavity for permitting some of the liquid discharged from said fluid handling apparatus to be supplied into said seal cavity, characterized in that said bypass flush system comprises, air-cooled heat exchanger means associated with said bypass conduit means for cooling the liquid which flows therethrough, a flow control device for permitting substantially continuous flow through said bypass conduit means into said seal cavity, said flow control device being located between said seal cavity and said chamber for restricting flow of liquid from said seal cavity into said chamber, said flow control device comprising a thermal bushing assembly disposed in surrounding relationship to said shaft means and radially spaced therefrom to define a narrow annular flow control passage therebetween, said thermal bushing assembly comprising an inner annular sleeve of carbon material having an annular metal retainer shrunk therearound, and holding means coating with said thermal bushing assembly for holding same nonrotatable with respect to said housing structure.

Complete Specn. 25 pages.

Dwg. 1 sheet.

CLASS 98G

149307

Int. Cl.-F28d 13/00

HEAT EXCHANGER.

Applicant : ESMIL B.V., OF STATIONS STRAAT 48, AMERSFOORT, THE NETHERLANDS.

Inventor : DR. IR. DICK GERRIT KLAREN.

Application No. 407/Cal/78 filed April 12, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A heat exchanger comprising a plurality of upwardly extending pipes for upward flow of a primary medium and around which in operation a secondary medium flows, a lower chamber at the lower ends of the said pipes from which the primary fluid enters the pipes and which contains a distribution system adapted to distribute flow across the cross-section said lower chamber, and an upper chamber at the upper ends of the pipes into which the fluid passes from the pipes, the pipes and the upper and lower chambers containing fluidisable particulate material, wherein the dimensions and arrangement of the pipes, the upper and lower chambers the distribution system and the particulate material are such that at least one flow rate of the primary medium and in the absence of mechanical stirring of the particles in the upper and lower chambers, the particulate material is fluidised in the pipes and in the upper and lower chambers, the distribution system causes the primary medium to be admitted to the pipes substantially uniformly across the transverse cross-section of the lower chamber and the pressure drop (ΔP_a) across the distribution system and the pressure drop (ΔP_b) caused by all of the particulate material all of the particulate material satisfy the condition :

$$0.01 < \Delta P_a - 100/\Delta P_b < 40.$$

Complete Specn. 14 pages.

Dwg. 2 sheets.

149308

CLASS 85Q

Int. Cl.-C21b 7/00.

COOLING ELEMENTS FOR METALLURGICAL FURNACE, IN PARTICULAR A BLAST FURNACE.

Applicant : THYSSEN AKTIENGESELLSCHAFT VORM. AUGUST THYSSEN-HUTTE, OF D-4100 DUISBURG FEDERAL REPUBLIC OF GERMANY.

Inventors : DR. HANS-EUGEN BUHLER, GUNTER ROBUSCH, DR. HERBERT SCHAFER.

Application No. 412/Cal/78 filed April 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A cooling element for a metallurgical furnace provided with steel tubes to convey a cooling medium, said steel tubes being integrally cast into a cast iron body and having a coating thereon comprising a combination of a metallic layer and a stable metallic oxide layer, said metallic layer being composed of one or more metal selected from the group consisting essentially of Ni, Co, Mn and Ag, and said metallic oxide layer having a free oxide standard enthalpy of formation of the oxide of less than -145 kcal at normal pressure conditions and temperature of 600°C.

Comp. Specn. 11 pages.

Dwg. 1 sheet.

149309

CLASS 147C & E

Int. Cl.-G11b

IMPROVEMENTS IN AND RELATING TO AN ENDLESS SOUND REPRODUCING TAPE CARTRIDGE.

Applicant : INTERNATIONAL AUDIO VISUAL HONG KONG LIMITED, OF 13, YORK ROAD, KOWLOON TONG, HONG KONG.

Inventor : ARTHUR DYCK.

Application No. 326/Del/78 filed May 4, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

17 Claims

An improved endless sound reproducing tape cartridge, comprising, in combination a hollow casing having a top cover, and a base member releasably secured thereto, a tape holder rotatably received in said casing, an endless roll of sound reproducing tape disposed on said holder, and improved brake means, including :

- (a) a resiliently movable portion of said top cover disposed above at least a portion of said holder.
- (b) a brake bar carried by said movable cover portion and normally positioned in contact against one of said holder and said roll to prevent rotation thereof, and
- (c) biasing means secured to the outside of said casing for automatically biasing said movable cover portion and brake bar up out of contact with said holder and roll when said cartridge is placed in a sound reproducing mechanism.

Comp. Specn. 12 pages.

Drwg. 3 sheets.

OPPOSITION PROCEEDINGS

The opposition entered by Helpahar Refractories Limited to the grant of a patent on application No. 142642 made by Orissa Cement Limited as notified in Part-III, Section 2 of the Gazette of India, dated the 4th March, 1978 has been dismissed.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

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 142852 142854 142855 142856 142857 142858 142860 142861
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 142898 142899.

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141595 141597 141602 141605 141606 141608 141610 141611
 141612 141614 141616 141617 141618 141621 141625 141627

PATENTS SEALED

142838 143653 147672 147674 147729 147949 147987 147999
 148001 148004 148005 148007 148008 148009 148014 148019
 148022 148023 148024 148029 148032 148037 148047 148073
 148253 148254 148261 148264 148275 148409.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that The Badger Company, Inc., a corporation organized under the laws of the State of Delaware, United States of America, and having a principal place of business at 1 Broadway, Kendall Square, Cambridge, Massachusetts, United States of America have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their patent application No. 148637 for "Process for improving the quality of fluidization of a fixed fluidized bed of reactants and catalysts and fixed fluidized beds so improved." The amendments are by way of correction so as to describe the nature of the invention more clearly and precisely. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

120343

M/s. F. Hoffmann-La Roche & Co.
Aktiengesellschaft.PATENTS DEEMED TO BE ENDORSED WITH
THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
142895 (08.11.74)	Process for the manufacture of ortho toluidine from ortho nitro toluene.
142938 (28.02.76)	Improvements in or relating to the manufacture of lb size α aluminium oxide of electronic grade from aluminium foil.
142965 (15.12.75)	Improvements in or relating to preparation of manganese sulphate solution from manganese ores.
142975 (14.10.74)	Process for the preparation of aluminium hydroxy-chlorides.
142988 (18.12.75)	Process for preparing soil modifiers and fertilizers from by-products based on ferrous sulphate obtained in the manufacture of titanium dioxide by the sulphate process.
143111 (04.12.74)	Process for wetting a textile material.

RENEWAL FEES PAID

107535 107538 107539 107639 107715 107810 108537 112164
 112189 112190 112223 112355 112356 112357 112358 112359
 112368 112408 112412 112780 112783 112877 114224 116093
 117273 117347 117437 117871 117873 117958 117981
 118234 118632 122651 123100 123117 123670 123677 123705
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 137843 137860 137873 138003 138284 138327 138866 139113
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CESSATION OF PATENTS

98240 98247 98254 98261 98293 98341 98344 98354 98355
 98357 98383 98391 98422 98423 98443 98444 98475 98480
 98489 98491 98502 98509 98515 98529 98542 98558 98571
 98590 98591 98647 98653 98664 98680 98724 98775 98783
 98784 98792 98795 98798 98811 98826 98829 98850 98894
 98901 98903 98917 98918 98942 98943 98955 98971 128926
 128927 128928 128930 128931 142337 145314

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the re-registration of Patent No. 107292 granted to Exxon Research and Engineering Company for an invention relating to "thermal cracking

process with improved decking". The patent ceased on the 1st October, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 16th August, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th December 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 122536 granted to Exxon Research and Engineering Company for an invention relating to "low heze lubricating oil composition". The patent ceased on the 30th July, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 4th October, 1980.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th December 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 126553 granted to Prabhakar Damodar Godbole for an invention relating to "a wedge leaf sluice gate". The patent ceased on the 7th May, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th April, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th December, 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 136428 granted to the K. C. P. Limited for an invention relating to "rawl plug". The patent ceased on the 27th July, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part II, Section 2 dated the 27th June, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th December, 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138472 granted to General Public Utilities Corporation for an invention relating to "meter interrogation system". The patent ceased on the 4th May, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 27th June, 1981.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th December 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142588 granted to Deoki Nanda Singhania for an invention relating to "a circuit for protecting electrical apparatuses from short circuit or over load faults". The patent ceased on the 23rd July, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 27th June, 1981.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th December 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 143964 granted to Surendra Lal Mahendra for an invention relating to "laminating apparatus". The patent ceased on the 21st July, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 11th April, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th December, 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 146163 granted to Dana Corporation for an invention relating to "automatic speed control circuit for a vehicle". The patent ceased on the 26th April, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 15th August, 1981.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th December 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 146185 granted to Combustion Engineering, Inc. for an invention relating to "pulverizer hydraulic drive". The patent ceased on the 10th June, 1980 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 1st August, 1981. Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th December 1981 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application for restoration of Patent No. 119965 dated the 21st February, 1969 made by Henri Favre Tailleur Diamants S.A. on the 29th October, 1980 and notified in the Gazette of India, Part III, Section 2 dated the 21st March, 1981 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 131645 dated the 8th June, 1971 made by The Udlite Corporation on the 2nd June, 1979 and notified in the Gazette of India, Part III, Section 2 dated the 3rd November, 1979 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 135476 dated the 8th June, 1971 made by The

Udyute Corporation on the 2nd June, 1979 and notified in the Gazette of India, Part—III, Section 2 dated the 22nd November, 1979 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 136011 dated the 8th June, 1971 made by The Udyute Corporation on the 2nd June, 1979 and notified in the Gazette of India, Part—III, Section 2 dated the 22nd September, 1979 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 141299 dated the 3rd November, 1975 made by Nucem Plastics Limited on the 22nd September, 1980 and notified in the Gazette of India, Part—III, Section 2 dated the 28th February, 1981 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 141939 dated the 3rd November, 1975 made by Nucem Plastics Limited on the 22nd September, 1980 and notified in the Gazette of India, Part—III, Section 2 dated the 28th February, 1981 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 142812 dated the 25th November, 1975 made by Nucem Plastics Limited on the 22nd September, 1980 and notified in the Gazette of India, Part—III, Section 2 dated the 28th February, 1981 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 143592 dated the 12th March, 1975 made by Dana Corporation on the 7th March, 1980 and notified in the Gazette of India, Part—III, Section 2 dated the 23rd August, 1980 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 150142. Tobi Enterprises Private Limited of 8/29, Industrial Area, Kirti Nagar, New Delhi-

110015, India, an Indian Company. "Tricycle". November 24, 1980.

Class 1. No. 150166. Manavir Tin Industries of Opp: Bk. No. 1893, Section 40, Ulhasnagar 5, (Maharashtra State) an Indian Proprietary Firm. "Stove Burner". November 29, 1980.

Class 1. No. 150204. Barsat Industries of 3816, Charkha Walan, Chawri Bazar, Delhi-110006, an Indian Partnership Firm. "Ladders". December 8, 1980.

Class 1. No. 150205. Barsat Industries of 3816, Charkha Waial, Chawri Bazar, Delhi-110006, an Indian Partnership Firm. "Ladders". December 8, 1980.

Class 1. No. 150302. Guru Enterprises of 49, Hemkunt, New Delhi-110048, Ind.a. "Door Lock". January 16, 1981.

Class 1. No. 150634. Parkash Hardwares of 5620-Basant Road, Pahar Ganj, New Delhi, an Indian sole proprietor concern. "Glass Runner". March 31, 1981.

Class 3. No. 150223. Malhotra Products (India) of 101, Khursheed Market, Sadar Bazar, Delhi-6, India. "Container". December 16, 1980.

Class 3. No. 150487. Peico Electronics & Electricals Ltd. of Shivasagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay 18(WB), Maharashtra State, Ind'a, an Indian Company. "Radio". February 27, 1981.

Class 4. No. 150167. Studio Kala Sadhana of Murti Kala, Mai Chowk, Shahar, Mandsaur, 458-002 (Madhya Pradesh State), an Indian Proprietary Firm. "Statue in Plaster of Paris". November 29, 1980.

Class 4. No. 150294. Aroma Cosmetics of 6-274B, Doonagar Street, Shahdara, Delhi, a sole proprietary firm. "Bottle". January 12, 1980.

S. VEDARAMAN,
Controller General of Patents, Designs
and Trade Marks

